

Coral reef protector

Reference citation cost: \$2

With 1 Publication: \$10
With 2 Publications: \$30
With 3 Publications: \$90
With 4 Publications: \$160
With PATENT: \$250

Disclosure agreement value: \$30

**Publications cost \$50 each
Patents, \$50 each
plus 4 Publications**

If a player owes all the research fields of any color group, the reference citation cost is doubled on unimproved research fields in that group.

Algal fuel harvester

Reference citation cost: \$4

With 1 Publication: \$20
With 2 Publications: \$60
With 3 Publications: \$180
With 4 Publications: \$320
With PATENT: \$450

Disclosure agreement value: \$30

**Publications cost \$50 each
Patents, \$50 each
plus 4 Publications**

If a player owes all the research fields of any color group, the reference citation cost is doubled on unimproved research fields in that group.

Phyto-remediation

Reference citation cost: \$6

With 1 Publication: \$30
With 2 Publications: \$90
With 3 Publications: \$270
With 4 Publications: \$400
With PATENT: \$550

Disclosure agreement value: \$50

**Publications cost \$50 each
Patents, \$50 each
plus 4 Publications**

If a player owes all the research fields of any color group, the reference citation cost is doubled on unimproved research fields in that group.

Crop protector

Reference citation cost: \$6

With 1 Publication: \$30
With 2 Publications: \$90
With 3 Publications: \$270
With 4 Publications: \$400
With PATENT: \$550

Disclosure agreement value: \$50

**Publications cost \$50 each
Patents, \$50 each
plus 4 Publications**

If a player owes all the research fields of any color group, the reference citation cost is doubled on unimproved research fields in that group.

Increase food production

Reference citation cost: \$8

With 1 Publication: \$40
With 2 Publications: \$100
With 3 Publications: \$300
With 4 Publications: \$450
With PATENT: \$600

Disclosure agreement value: \$60

**Publications cost \$50 each
Patents, \$50 each
plus 4 Publications**

If a player owes all the research fields of any color group, the reference citation cost is doubled on unimproved research fields in that group.

Genetically altered plants

Reference citation cost: \$10

With 1 Publication: \$50
With 2 Publications: \$125
With 3 Publications: \$450
With 4 Publications: \$625
With PATENT: \$750

Disclosure agreement value: \$70

**Publications cost \$100 each
Patents, \$100 each
plus 4 Publications**

If a player owes all the research fields of any color group, the reference citation cost is doubled on unimproved research fields in that group.

Sentinel plants

Reference citation cost: \$10

With 1 Publication: \$50
With 2 Publications: \$125
With 3 Publications: \$450
With 4 Publications: \$625
With PATENT: \$750

Disclosure agreement value: \$70

**Publications cost \$100 each
Patents, \$100 each
plus 4 Publications**

If a player owes all the research fields of any color group, the reference citation cost is doubled on unimproved research fields in that group.

Fertilizer delivery efficiency

Reference citation cost: \$12

With 1 Publication: \$60
With 2 Publications: \$180
With 3 Publications: \$500
With 4 Publications: \$700
With PATENT: \$900

Disclosure agreement value: \$80

**Publications cost \$100 each
Patents, \$100 each
plus 4 Publications**

If a player owes all the research fields of any color group, the reference citation cost is doubled on unimproved research fields in that group.

Battery upgrade

Reference citation cost: \$14

With 1 Publication: \$70
With 2 Publications: \$200
With 3 Publications: \$550
With 4 Publications: \$750
With PATENT: \$950

Disclosure agreement value: \$90

**Publications cost \$100 each
Patents, \$100 each
plus 4 Publications**

If a player owes all the research fields of any color group, the reference citation cost is doubled on unimproved research fields in that group.

Clean air

Reference citation cost: \$14

With 1 Publication: \$70
With 2 Publications: \$200
With 3 Publications: \$550
With 4 Publications: \$750
With PATENT: \$950

Disclosure agreement value: \$90

**Publications cost \$100 each
Patents, \$100 each
plus 4 Publications**

If a player owes all the research fields of any color group, the reference citation cost is doubled on unimproved research fields in that group.

Enhanced solar energy harvester

Reference citation cost: \$16

With 1 Publication: \$80
With 2 Publications: \$220
With 3 Publications: \$600
With 4 Publications: \$800
With PATENT: \$1000

Disclosure agreement value: \$100

**Publications cost \$100 each
Patents, \$100 each
plus 4 Publications**

If a player owes all the research fields of any color group, the reference citation cost is doubled on unimproved research fields in that group.

Weather protector

Reference citation cost: \$18

With 1 Publication: \$90
With 2 Publications: \$250
With 3 Publications: \$700
With 4 Publications: \$875
With PATENT: \$1050

Disclosure agreement value: \$110

**Publications cost \$150 each
Patents, \$150 each
plus 4 Publications**

If a player owes all the research fields of any color group, the reference citation cost is doubled on unimproved research fields in that group.

UV sun protector

Reference citation cost: \$18

With 1 Publication: \$90
With 2 Publications: \$250
With 3 Publications: \$700
With 4 Publications: \$875
With PATENT: \$1050

Disclosure agreement value: \$110

**Publications cost \$150 each
Patents, \$150 each
plus 4 Publications**

If a player owes all the research fields of any color group, the reference citation cost is doubled on unimproved research fields in that group.

Improve data storage

Reference citation cost: \$20

With 1 Publication: \$100
With 2 Publications: \$300
With 3 Publications: \$750
With 4 Publications: \$925
With PATENT: \$1100

Disclosure agreement value: \$120

**Publications cost \$150 each
Patents, \$150 each
plus 4 Publications**

If a player owes all the research fields of any color group, the reference citation cost is doubled on unimproved research fields in that group.

3D bioprinting

Reference citation cost: \$22

With 1 Publication: \$110
With 2 Publications: \$330
With 3 Publications: \$800
With 4 Publications: \$975
With PATENT: \$1150

Disclosure agreement value: \$130

**Publications cost \$150 each
Patents, \$150 each
plus 4 Publications**

If a player owes all the research fields of any color group, the reference citation cost is doubled on unimproved research fields in that group.

Medical nanobots

Reference citation cost: \$22

With 1 Publication: \$110
With 2 Publications: \$330
With 3 Publications: \$800
With 4 Publications: \$975
With PATENT: \$1150

Disclosure agreement value: \$130

**Publications cost \$150 each
Patents, \$150 each
plus 4 Publications**

If a player owes all the research fields of any color group, the reference citation cost is doubled on unimproved research fields in that group.

Vaccine delivery tech.

Reference citation cost: \$24

With 1 Publication: \$120
With 2 Publications: \$360
With 3 Publications: \$850
With 4 Publications: \$1025
With PATENT: \$1200

Disclosure agreement value: \$140

**Publications cost \$150 each
Patents, \$150 each
plus 4 Publications**

If a player owes all the research fields of any color group, the reference citation cost is doubled on unimproved research fields in that group.

Improve bioimaging

Reference citation cost: \$26

With 1 Publication: \$130
With 2 Publications: \$390
With 3 Publications: \$900
With 4 Publications: \$1100
With PATENT: \$1275

Disclosure agreement value: \$150

**Publications cost \$200 each
Patents, \$200 each
plus 4 Publications**

If a player owes all the research fields of any color group, the reference citation cost is doubled on unimproved research fields in that group.

Improve drug efficacy

Reference citation cost: \$26

With 1 Publication: \$130
With 2 Publications: \$390
With 3 Publications: \$900
With 4 Publications: \$1100
With PATENT: \$1275

Disclosure agreement value: \$150

**Publications cost \$200 each
Patents, \$200 each
plus 4 Publications**

If a player owes all the research fields of any color group, the reference citation cost is doubled on unimproved research fields in that group.

Cancer targeted therapy

Reference citation cost: \$28

With 1 Publication: \$150
With 2 Publications: \$450
With 3 Publications: \$1000
With 4 Publications: \$1200
With PATENT: \$1400

Disclosure agreement value: \$160

**Publications cost \$200 each
Patents, \$200 each
plus 4 Publications**

If a player owes all the research fields of any color group, the reference citation cost is doubled on unimproved research fields in that group.

Enhanced water purification

Reference citation cost: \$35

With 1 Publication: \$175

With 2 Publications: \$500

With 3 Publications: \$1100

With 4 Publications: \$1300

With PATENT: \$1500

Disclosure agreement value: \$175

Publications cost \$200 each

Patents, \$200 each

plus 4 Publications

If a player owes all the research fields of any color group, the reference citation cost is doubled on unimproved research fields in that group.

Clean oceans

Reference citation cost: \$50

With 1 Publication: \$200

With 2 Publications: \$600

With 3 Publications: \$1400

With 4 Publications: \$1700

With PATENT: \$2000

Disclosure agreement value: \$200

Publications cost \$200 each

Patents, \$200 each

plus 4 Publications

If a player owes all the research fields of any color group, the reference citation cost is doubled on unimproved research fields in that group.

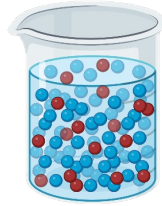


Fluorophore technology

If one "technology" is owned, reference citation is 4 times amount shown on dice.

If both "technologies" are owned, reference citation is 10 times amount shown on dice.

Disclosure agreement value: \$75



Solubility adjusting technology

If one "technology" is owned, reference citation is 4 times amount shown on dice.

If both "technologies" are owned, reference citation is 10 times amount shown on dice.

Disclosure agreement value: \$75



Environmental protection agency

reference citation:	\$25
If two affiliations are owned:	\$50
If three affiliations are owned:	\$100
If four affiliations are owned:	\$200

Disclosure agreement value: \$100



National Science Foundation

reference citation:	\$25
If two affiliations are owned:	\$50
If three affiliations are owned:	\$100
If four affiliations are owned:	\$200

Disclosure agreement value: \$100



National Institute of Health

reference citation:	\$25
If two affiliations are owned:	\$50
If three affiliations are owned:	\$100
If four affiliations are owned:	\$200

Disclosure agreement value: \$100



World Health Organization

World Health Organization

reference citation:	\$25
If two affiliations are owned:	\$50
If three affiliations are owned:	\$100
If four affiliations are owned:	\$200

Disclosure agreement value: \$100

Toolbox



GET OUT OF
REDACT. ZONE, FREE

Toolbox



PAY SCHOOL
TAX OF \$200

Toolbox

YOU HAVE WON
SECOND PLACE
IN A
ORAL PRESENTATION
COLLECT \$100



Toolbox

ADVANCE TO GO
(COLLECT \$200)



Toolbox

REIMBURSEMENT
ERROR IN YOUR FAVOR



COLLECT \$200

Toolbox

GO TO REDACT. ZONE
DIRECTLY
DO NOT PASS GO OR
RECEIVE \$200



Toolbox

YOU ARE ASSESSED
FOR SCIENCE CONTENT
\$50 PER PUBLICATION
\$100 PER PATENT



Toolbox

COLLABORATION FEE

COLLECT \$50
FROM EVERY PLAYER



Toolbox

PAY
LAB EQUIPMENT FEE
OF \$100



Toolbox

RECEIVE
FOR
TEACHING
\$200



Toolbox

YOU WERE REWARDED
FUNDING FOR YOUR
RESEARCH PROPOSALS
\$150



Toolbox

PAID
HOLIDAY LEAVE

COLLECT \$100



Toolbox

HAZARDOUS WASTE
RECYCLING FEE

PAY \$100



Toolbox

YEARLY SALARY
INCREASE BONUS

COLLECT \$150



Toolbox

INVESTORS WERE IMPRESSED
BY YOUR PROTOTYPE
APPARATUS

COLLECT \$100



Toolbox

RECEIVE INCOME
FROM TEXTBOOK
ROYALTIES

COLLECT \$100



Toolbox

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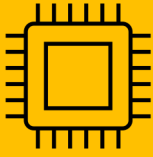
Toolbox

Toolbox

Toolbox

Travel Opps.

ADVANCE TO
IMPROVE DATA STORAGE
RESEARCH FIELD



Travel Opps.

ADVANCE TO
NATIONAL SCIENCE
FOUNDATION (NSF)
IF YOU PASS GO
COLLECT \$200



Travel Opps.

PREVIOUS PUBLICATIONS
OF YOURS HAVE BEEN CITED

COLLECT \$50



Travel Opps.

ADVANCE TO NEAREST TECH.
IF UNOWNED, PLAYER CAN
PURCHASE TECH. FROM BANK.

IF OWNED, ROLL DICE AND PAY
OWNER TEN TIMES AMOUNT SHOWN ON DICE.



Travel Opps.

REVIEW ARTICLE
PUBLICATION AND PATENT
FEES
FOR EACH PUBLICATION PAY \$50
FOR EACH PATENT PAY \$100



Travel Opps.

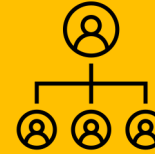
GO TO REDACT. ZONE
DIRECTLY

DO NOT PASS GO
DO NOT RECEIVE \$200



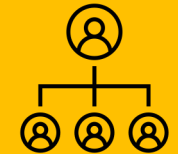
Travel Opps.

ADVANCE TO NEAREST AGENCY
OR ORGANIZATION AND
PAY PLAYER WHO
OWNS AFFILIATION TWICE
THE REFERENCE FEE.
IF UNOWNED, PLAYER CAN
PURCHASE AFFILIATION FROM BANK.



Travel Opps.

ADVANCE TO NEAREST AGENCY
OR ORGANIZATION AND
PAY PLAYER WHO
OWNS AFFILIATION TWICE
THE REFERENCE FEE.
IF UNOWNED, PLAYER CAN
PURCHASE AFFILIATION FROM BANK.



Travel Opps.

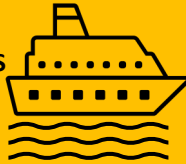
GO BACK
THREE SPACES



Travel Opps.

TAKE A VACATION CRUISE
AMONGST CLEAN OCEANS

ADVANCE TO
CLEAN OCEANS



Travel Opps.

YOU HAVE BEEN ELECTED
CONFERENCE CHAIR FOR
AN UPCOMING
RESEARCH CONFERENCE

PAY EACH PLAYER \$50



Travel Opps.

ADVANCE TO GO

COLLECT \$200



Travel Opps.

ADVANCE TO
SENTINEL PLANTS

IF YOU PASS GO COLLECT \$200



Travel Opps.

GET OUT OF
REDACT. ZONE PASS

THIS CARD CAN BE KEPT UNTIL NEEDED
OR SOLD



Travel Opps.

LUCKY EXPERIMENT
RESULTS
ADVANCE TO ANY RESEARCH FIELD THAT IS CURRENTLY
UNOWNED. PLAYER MAY PURCHASE OR PUT IT UP FOR
AUCTION. IF ALL RESEARCH FIELDS ARE OWNED, TAKE A
RESEARCH FIELD FROM ANY OTHER PLAYER WHO HAVE NOT
PUBLISHED IN RESEARCH FIELD OWNED.



Travel Opps.

LUCKY EXPERIMENT
RESULTS
ADVANCE TO ANY RESEARCH FIELD THAT IS CURRENTLY
UNOWNED. PLAYER MAY PURCHASE OR PUT IT UP FOR
AUCTION. IF ALL RESEARCH FIELDS ARE OWNED, TAKE A
RESEARCH FIELD FROM ANY OTHER PLAYER WHO HAVE NOT
PUBLISHED IN RESEARCH FIELD OWNED.



Travel Opps.

Travel Opps.

Travel Opps.

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Travel Opps.

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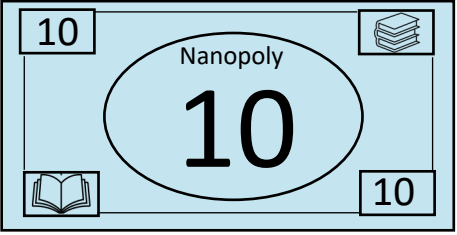
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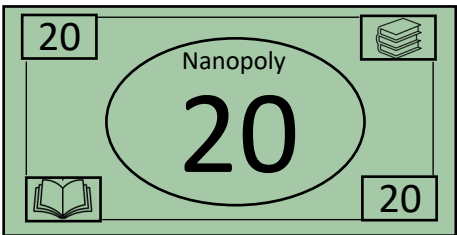
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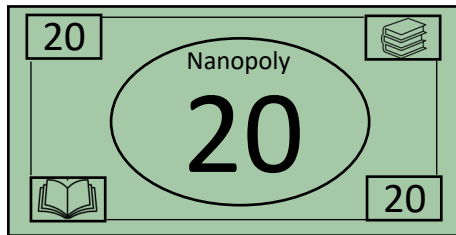
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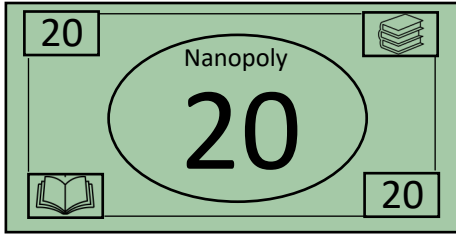
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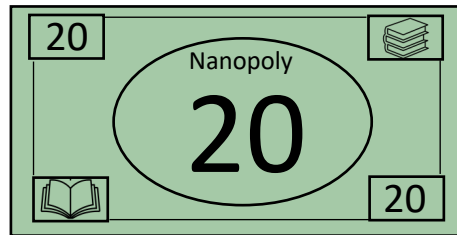
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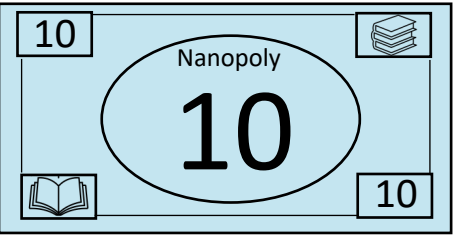
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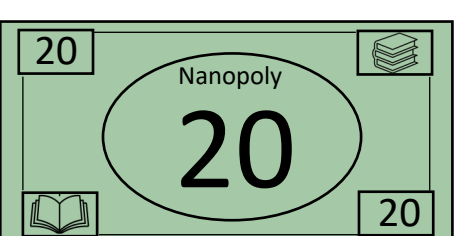
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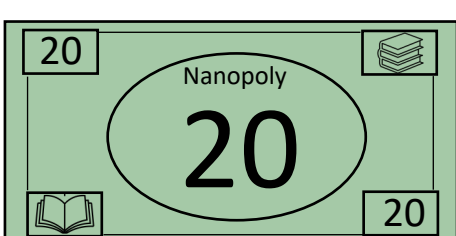
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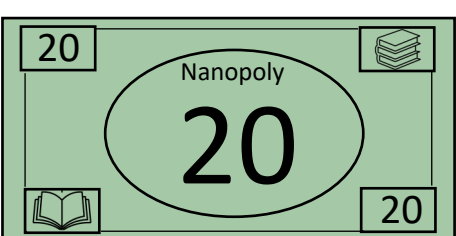
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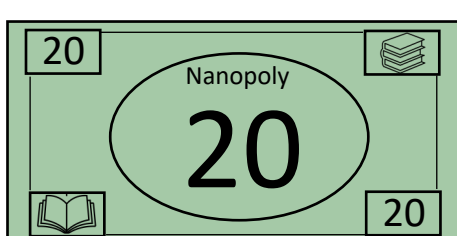
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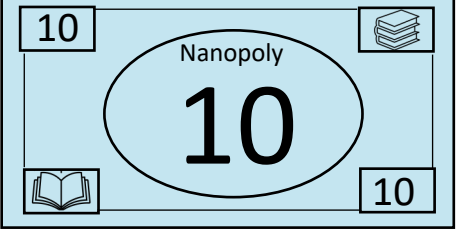
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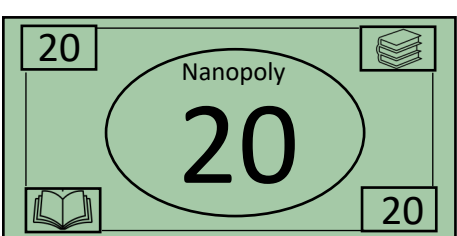
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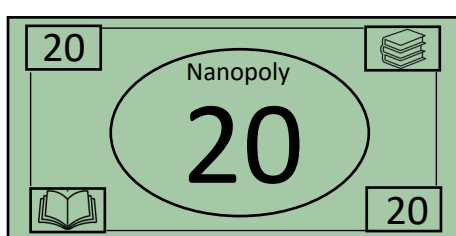
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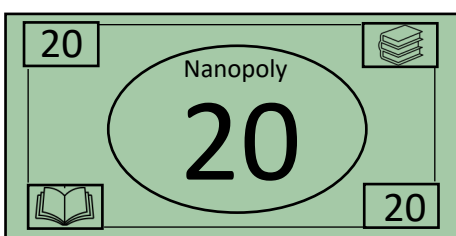
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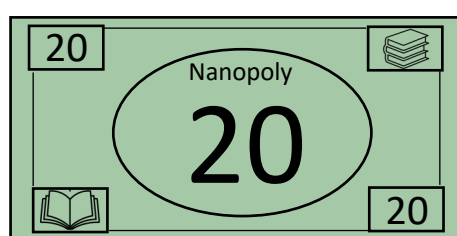
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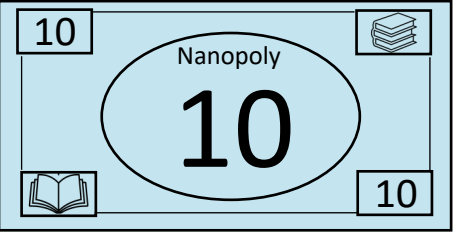
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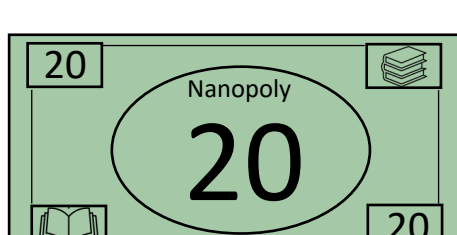
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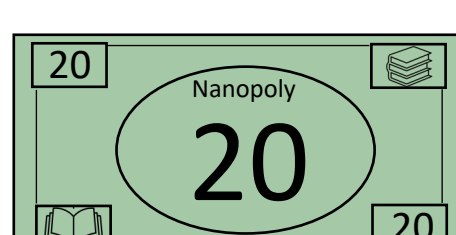
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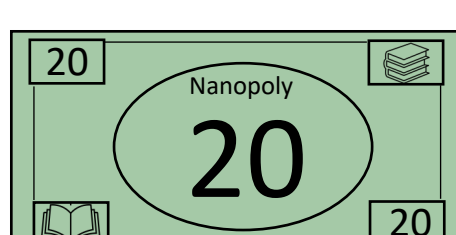
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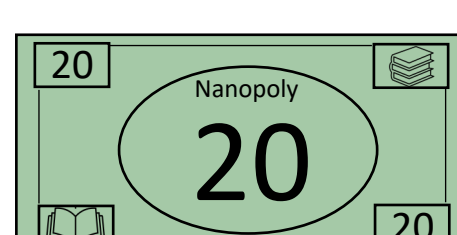
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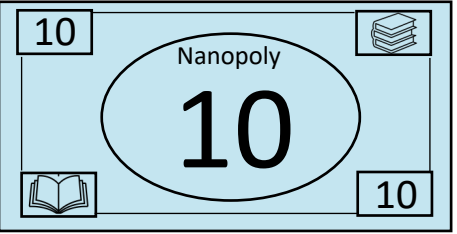
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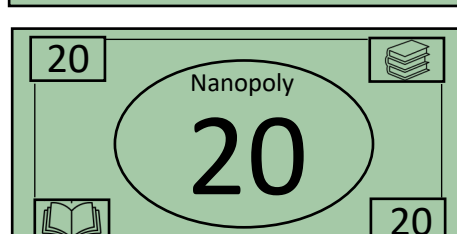
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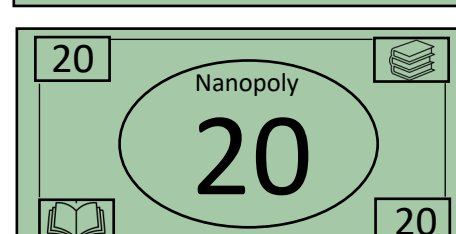
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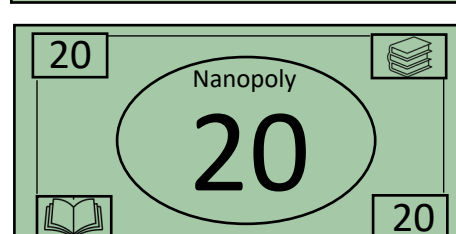
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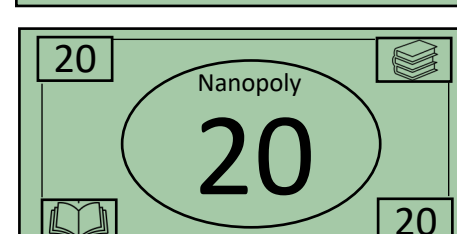
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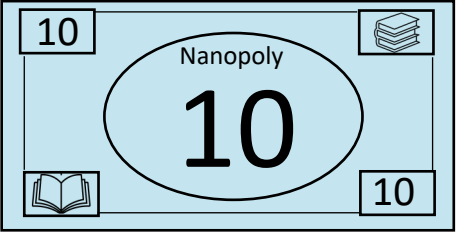
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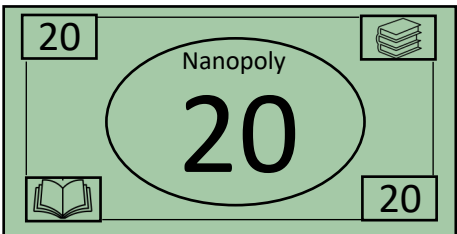
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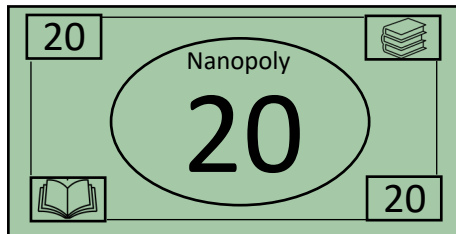
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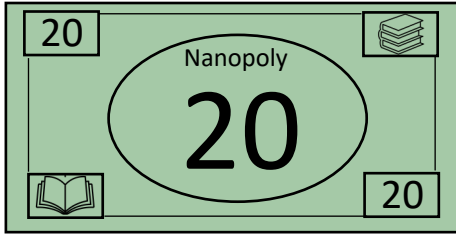
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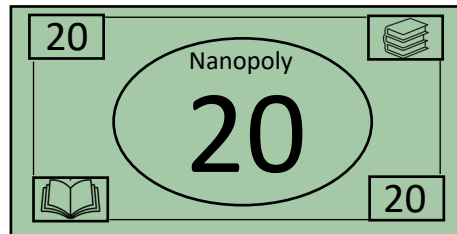
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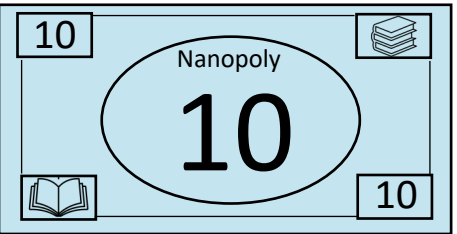
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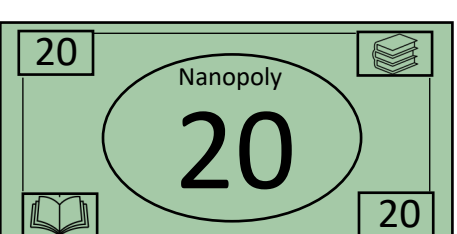
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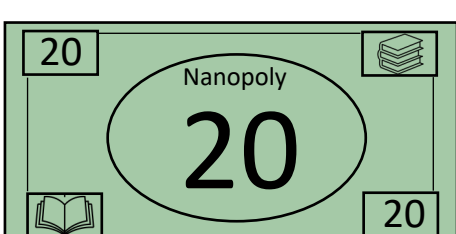
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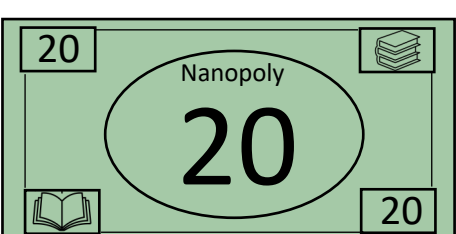
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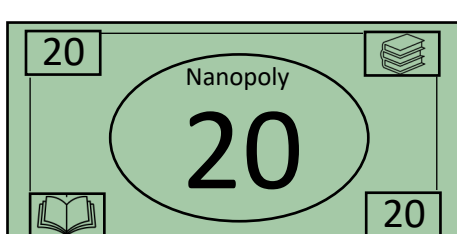
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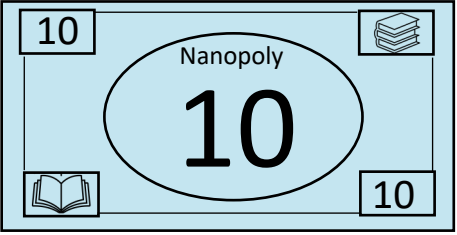
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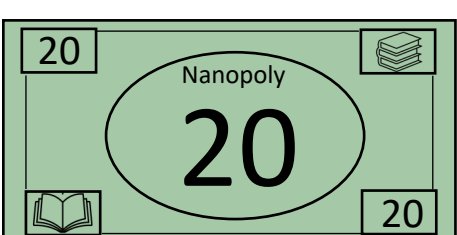
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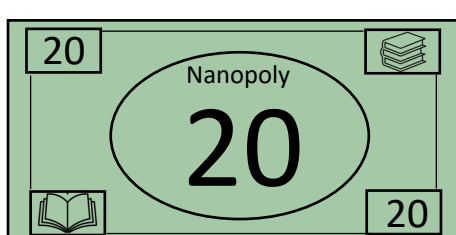
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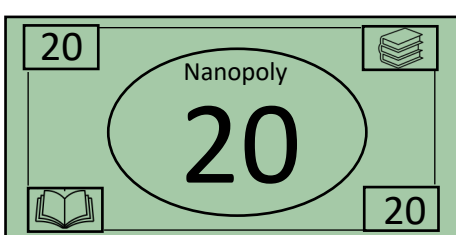
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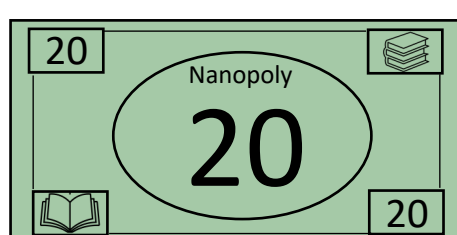
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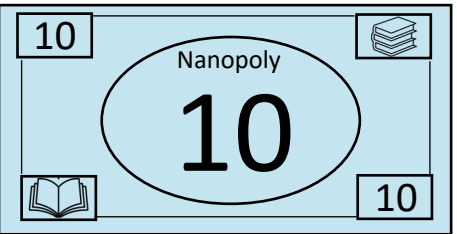
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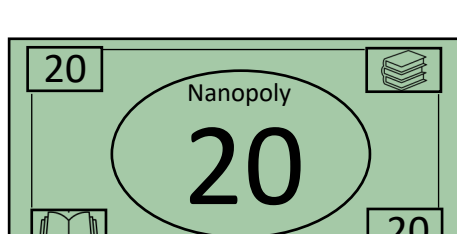
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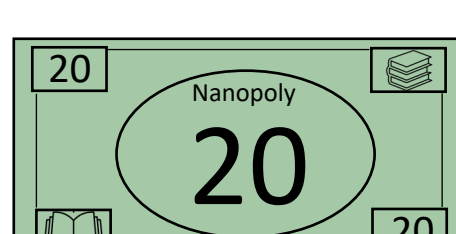
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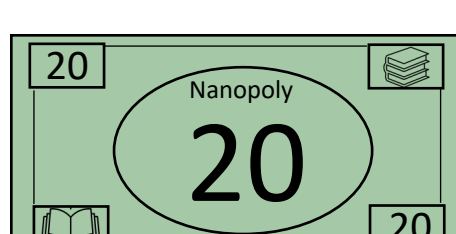
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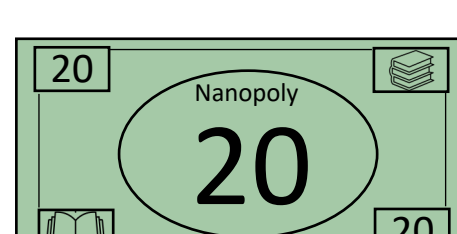
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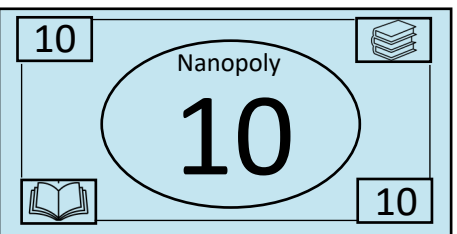
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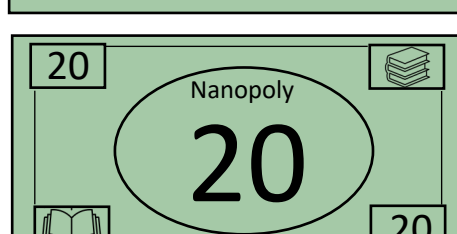
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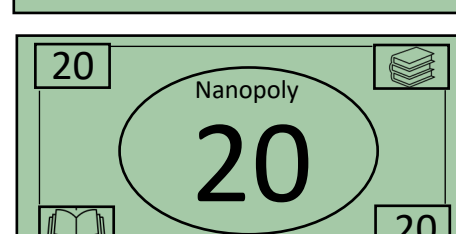
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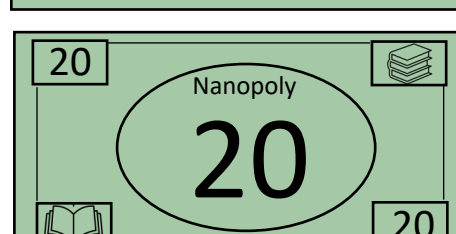
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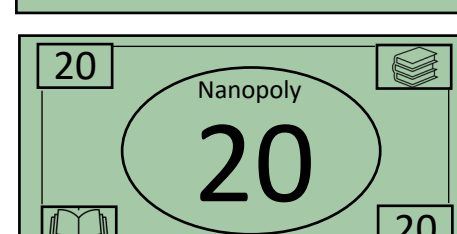
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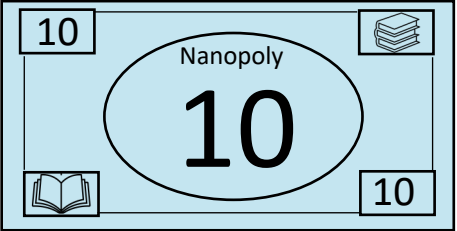
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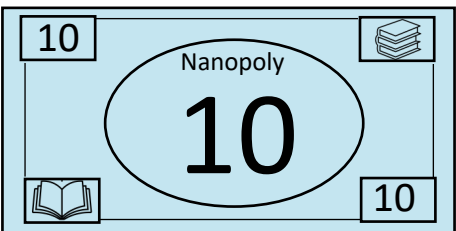
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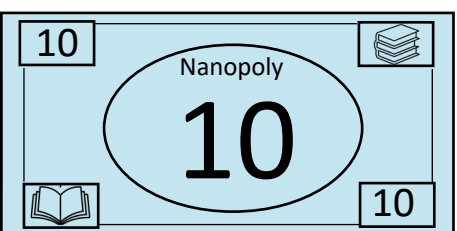
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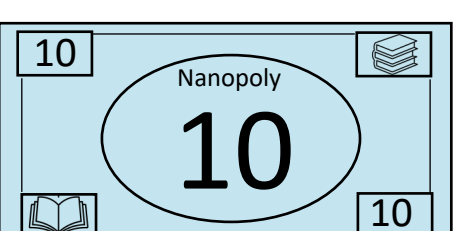
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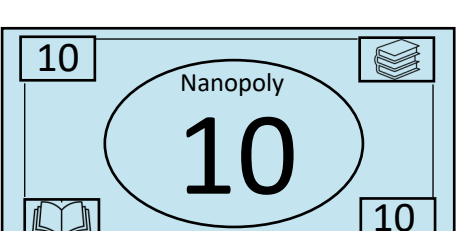
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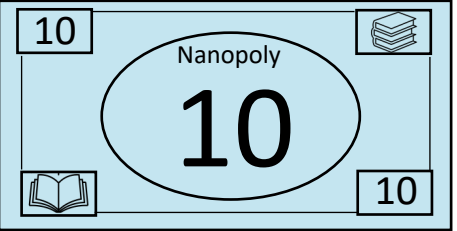
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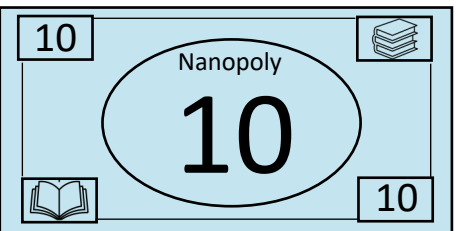
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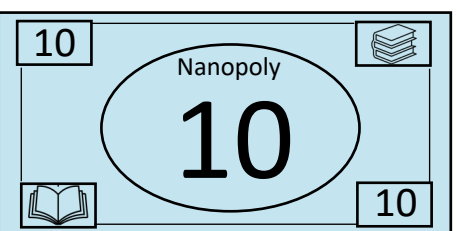
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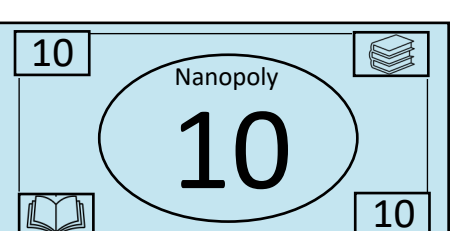
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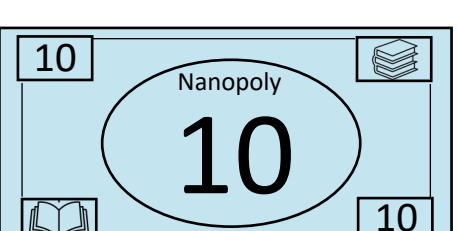
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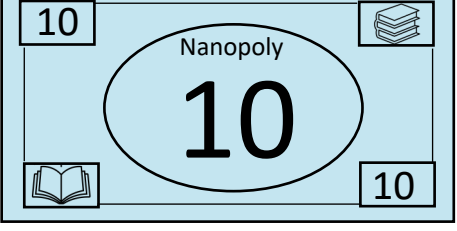
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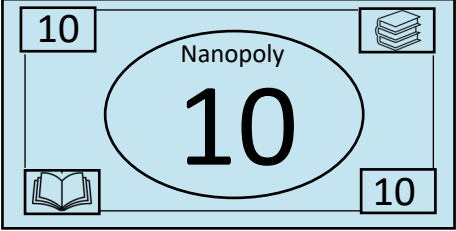
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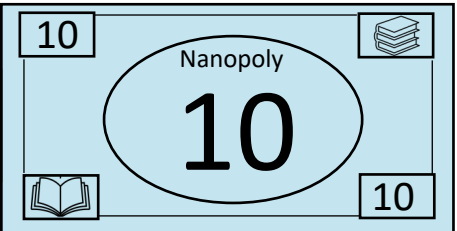
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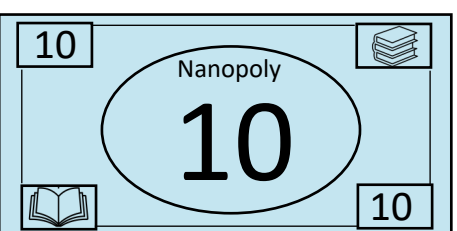
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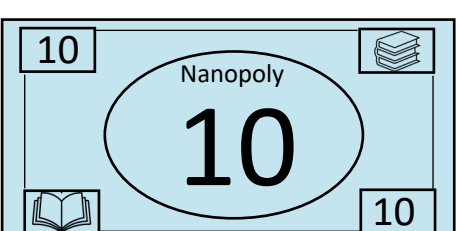
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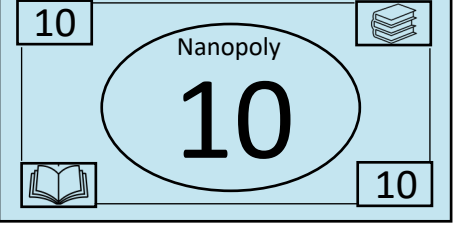
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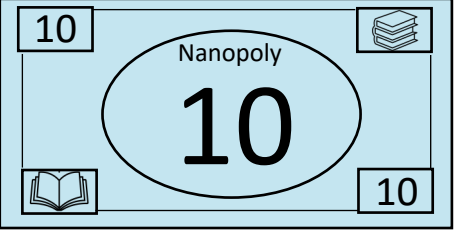
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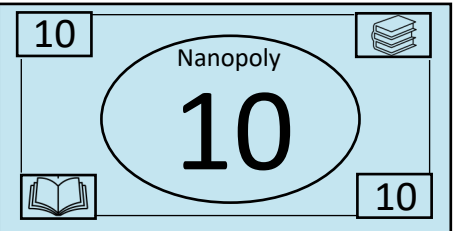
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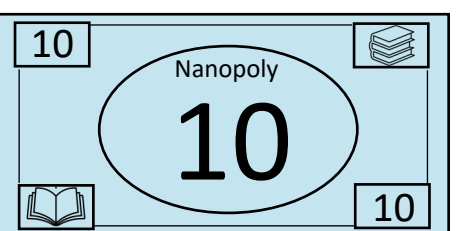
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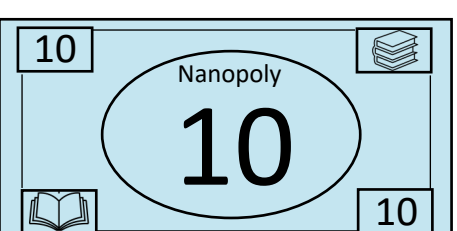
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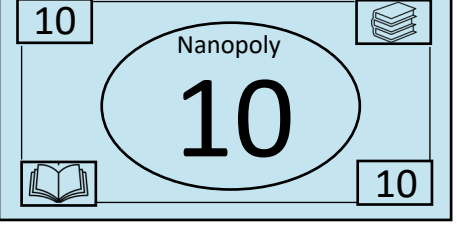
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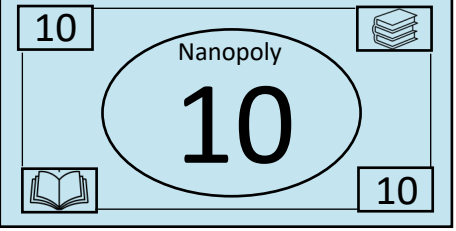
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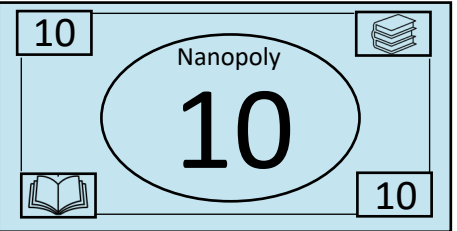
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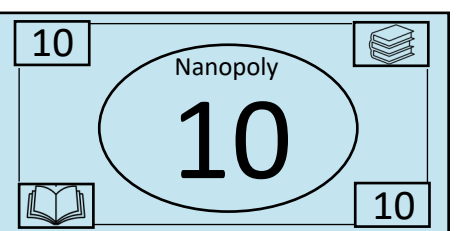
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