

WHO WANTS TO BE A
MILLIONAIRE?



15 ● \$1 MILLION

14 ♦ \$500,000

13 ♦ \$250,000

12 ♦ \$125,000

11 ♦ \$64,000

10 ♦ \$32,000

9 ♦ \$16,000

8 ♦ \$8,000

7 ♦ \$4,000

6 ♦ \$2,000

5 ♦ \$1,000

4 ♦ \$500

3 ♦ \$300

2 ♦ \$200

1 ♦ \$100

1 2 3 4 5 6 7 8 9 10 11
12 13 14 15

£100

Which is the raising agent used in cakes

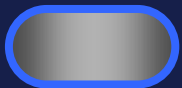
 **A:** proteins

 **B:** Sodium hydroxide

 **C:** carbohydrates

 **D:** Baking powder

Excellent!



Unlucky!

**THAT'S
INCORRECT**





£200

Which of these is NOT a food additive?

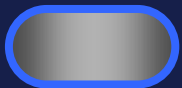
 **A:** Hydrocarbons

 **B:** colourings

 **C:** antioxidants

 **D:** emulsifiers

Excellent!



Sorry

**THAT'S
INCORRECT**

...



£300

What is the name for an organic compound giving a perfume its smell?



A: Alkane



B: Alkene



C: Ester



D: Hydrocarbon

Fantastic



Oh dear!

**THAT'S
INCORRECT**

...



£500

Organic acid + alcohol = ester + ?

 **A:** water

 **B:** perfume

 **C:** oxygen

 **D:** Hydrochloric acid

Brilliant



Sorry

**THAT'S
INCORRECT**


...



£1,000

When removing nail varnish, the varnish is the....

 **A:** solution

 **B:** insoluble

 **C:** solvent

 **D:** Solute

Well done!



Unlucky!

**YOU SHOULD
HAVE
THOUGHT OF
YOUR
EXPERIMENTS!**



£2,000

Which is the fossil fuel?



A: Nuclear power



B: Crude oil



C: Solar power



D: Hydroelectrics



Super!



Oh no!

**THAT'S
INCORRECT**



£4,000

Crude oil is made up of what?

 **A:** Petrol

 **B:** Gases

 **C:** Plastics

 **D:** Hydrocarbons

Very good!



Incorrect

**SO NEAR AND
YET SO FAR!**



£8,000



Crude oil is separated into useful products using...



A: Cracking



B: Filtration



C: Fractional distillation



D: Boiling



Very good!



Sorry!

**THAT'S
INCORRECT**




£16,000

Cracking converts large hydrocarbons into smaller ones using?

 **A:** Catalyst

 **B:** Heat

 **C:** Oxygen

 **D:** Heat and a catalyst

Very good!



Unlucky

**THAT'S
INCORRECT**



£32,000

Plastics are made up of large molecules called....

A:

Hydrocarbons

B:

Polymers

C:

Monomers

D:

Chains

Brilliant!



Unfortunately...

**THAT'S
INCORRECT
!**



£64,000



By what process are monomers joined together?



A: Cracking



B: Nylon



C: Polymerisation



D: Fractional distillation



Well done!





I'm sorry


**THAT'S
INCORRECT**




£125,000
Alkanes have.....

 **A:** Single covalent bonds

 **B:** No covalent bonds

 **C:** Double covalent bonds

 **D:** Triple covalent bonds

Very good!



Incorrect



£250,000

A reaction giving out heat is called....

◆ **A:** Endothermic

◆ **B:** Cooking

◆ **C:** Combustion

◆ **D:** Exothermic

Excellent!



Wrong Choice!

**THAT'S
INCORRECT**



£500,000

Emulsifiers are characterised by...



A: Hydrophobic tails and hydrophobic heads



B: Hydrophilic heads and Hydrophobic tails

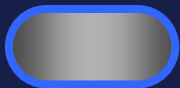


C: Hydrophilic tails and hydrophilic heads



D: Hydrophobic heads and hydrophilic tails

Very Good!
The next is very tricky!!



Sorry!

**THAT'S
INCORRECT**



£ 1,000,000

What do biodegradable polymers contain a lot of?

 **A:** Paper

 **B:** Protein

 **C:** Starch

 **D:** Foam

Fantastic!



Unlucky

**YOU WERE
NEARLY A
MILLIONAIRE!**



WHO WANTS TO BE A
MILLIONAIRE?

Thank you for playing!



Thank you for playing!