



You just got back from an international conference.  
High motivation spurs you on, **move 3 places forward.**

The professor delays reading your manuscript another week.  
**Skip a turn.**

**THWART CARD**  
You hide their access card to the building.  
Target player skips a turn.

**THWART CARD**  
You steal the labjournal of another player.  
Move that player back 5 places.

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Your experiment works the first time! You didn't expect that to happen, **move 5 places forward.**

Your co-PHD student accidentally contaminated your RNA samples with RNase.  
**Move back 2 places.**

**THWART CARD**  
You scoop the paper of another player.  
Send that player back to start.  
(Can only be used when you arrive on "Accept")

**THWART CARD**  
You mix up the samples of another player.  
Move that player back 3 places.

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You come across a paper which describes exactly which experiment to do.  
**Move 4 places forward.**

You are running behind on reading the literature.  
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**THWART  
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You burden someone else with assisting at a undergraduate course.

**He/she moves back 3 places.**

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CARD**

You advise a terrible student to do an internship at your opponent's lab.

**He/she skips a turn.**

The student you are supervising actually produces useful data.

**Roll the dice again.**

You have accidentally cloned the wrong gene.

**Skip a turn.**

The manuscript came back from the professor with only 50% marked red, better than expected!

**Move forward 2 places.**

After a discussion with the professor you have 10 more experiments to do.

**Move back 5 places.**

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You decide to work from 9-5 next week like a normal person.  
**Next dice roll counts for half.**  
**(Round up)**

You spend Christmas with your family.  
**Roll the dice, move back that many places.**

You go on a well-deserved holiday.  
**Skip a turn.**

You spend Easter at the lab instead of with family.  
**Move 2 places forward.**

You spend the entire weekend at the lab.  
**Move 4 places forward.**

You go out for beers with fellow scientists and great ideas for your research increase your efficiency.  
**Next dice roll counts double.**

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Your partner is super supportive and does all the homework so you can do science.

**Move 4 places forward.**

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Change the dice roll of your opponent to the number you want.

(between 1-6)

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A silly little experiment steals you a co-author ship.

Next time

he/she gets a paper you do too.

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**THWART CARD**

You move a magnet over your opponent's hard disk.

**Roll the dice, move back that number of places.**

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The surviving dinosaurs evolved into what?

- A) **Birds**
- B) Snakes
- C) Lizards
- D) Alligators

What are the 3 major components of the atom?

- A) Photon, electron, neuron.
- B) **Proton, neutron, electron.**

What is the scientific name for our species?

- A) **Homo sapiens**
- B) Homo erectus
- C) Homo floresmens

How many planets are in our solar system?

- A) 6
- B) 7
- C) **8**

Which technique is used to measure RNA transcription?

- A) in-situ hybridization
- B) RNAi
- C) **qRT-PCR**

Who is the founding father of modern evolutionary theory?

- A) Wallace
- B) **Darwin**
- C) Einstein

What whiped the dinosaurs out?

- A) Evolution
- B) **An asteroid**
- C) Starvation
- D) Zombies

Who was the first human being in space?

- A) **Yuri Gagarin**
- B) Neil Armstrong
- C) Lance Armstrong
- D) Luke Skywalker

How old is the universe?

- A) 6000 years
- B) 12 Billion years
- C) **14 Billion years**

What is bigger, a bacterium or a virus?

- A) **Bacterium**
- B) Virus

How many Nobel prizes did Marie-Curie win?

- A) 1
- B) **2**
- C) 3

Which RNA is translated into protein?

- A) **mRNA**
- B) tRNA
- C) miRNA

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The periodic table was invented by:

- A) Mendel
- B) Mendeleev**
- C) Nobel
- D) Lavoisier

The most common isotope of hydrogen is:

- A) protium**
- B) deuterium
- C) tritium

The most abundant protein in the human body is:

- A) tubulin
- B) albumin
- C) collagen**
- D) keratin

Which of the following elements is not liquid at room temperature?

- A) magnesium**
- B) bromine
- C) mercury
- D) gallium

How much salt (NaCl) is in the average adult human body?

- A) 2 kg
- B) 1 kg
- C) 500g
- D) 250g**

Plate tectonics is:

- A) Type of music
- B) Movements of the Earth's crust**
- C) Gravity

Which of these elements is a non-metal?

- A) sulfur**
- B) manganese
- C) aluminum
- D) beryllium

The chemical formula of water is:

- A) H<sub>2</sub>
- B) O<sub>2</sub>
- C) H<sub>2</sub>O<sub>2</sub>
- D) H<sub>2</sub>O**

Which of these elements is **not** a noble gas?

- A) helium
- B) chlorine**
- C) krypton
- D) argon

Milk is:

- A) slightly acidic**
- B) a strong acid
- C) neutral
- D) slightly basic

If you allow the ice in a full glass of ice water to melt, the glass will overflow.

- A) True
- B) False**

What is the process by which plants produce energy?

- A) Solar energy
- B) Photosynthesis**
- C) Chloroplasty
- D) Botany



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Research towards the development of insect repellent is an example of:

- A) bug science
- B) fundamental science
- C) applied science**

In a solution of saltwater, salt is the:

- A) solute**
- B) solvent
- C) colloid
- D) sol

Which of the following is **not** an amino acid?

- A) tyrosine
- B) tryptophan
- C) leucine
- D) adenine**

Proteins are made of:

- A) proteons
- B) nucleotides
- C) amino acids**

Most of the iron in your body is found where?

- A) brain
- B) skin
- C) bones
- D) blood**

All organic molecules contain:

- A) Carbon only
- B) Carbon and nitrogen
- C) Carbon and hydrogen**
- D) Carbon, nitrogen and hydrogen

RNA interference or RNAi is:

- A) next generation RNA
- B) A technique to knock-down genes**

Who discovered penicilline?

- A) van Leeuwenhoek
- B) Fleming**
- C) Darwin
- D) Attenborough

A drop of food-coloring spreading in water is an example of:

- A) osmosis
- B) vapor pressure
- C) effusion
- D) diffusion**

How many amino acids are coded for in DNA?

- A) 18
- B) 20**
- C) 22

An atom with more protons than neutrons is called a:

- A) molecule
- B) cation**
- C) isotope
- D) anion

The element symbol Ag is the symbol for:

- A) gallium
- B) magnesium
- C) gold
- D) silver**

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Which is the hardest tissue in the human body?

- A) bone
- B) cartilage
- C) tooth enamel**

Where does the chemical formula CO stand for?

- A) Carbon dioxide
- B) Carbon monoxide**
- C) Oxygen

What is the SI unit of frequency?

- A) Moles
- B) Decibel
- C) Hertz**

Which is the largest species of dolphin?

- A) bottlenose dolphin
- B) killer whale**
- C) blue whale

How many square meters in a hectare?

- A) 1000
- B) 5000
- C) 10000**
- D) 50000

What is the Macintosh computer named after?

- A) Mr. Macintosh
- B) Japanese word for computer
- C) a variety of apple**

What is the SI-unit of force?

- A) Dalton
- B) Newton**
- C) Kelvin

Which isotope is commonly used to date organic matter?

- A) C14**
- B) C15
- C) C16

What is the name of a single dot on the computer screen?

- A) dot
- B) scrot
- C) rixel
- D) pixel**

A symbiosis between 2 organisms is:

- A) mutually beneficial**
- B) beneficial for 1, negative for the other
- C) negative for both

On which planet is the tallest mountain of the solar system?

- A) Jupiter
  - B) Mars**
  - C) Venus
- (over 25 km high)

How much does a cubic meter of water weigh?

- A) 100 kg
- B) 1000 kg**
- C) 100000 kg

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What is an Ishihara test used for?

- A) diagnose autism
- B) test for color blindness**
- C) detect birth defects

What did Einstein get the Nobel prize for?

- A) Theory of relativity
- B) The photoelectric effect**
- C) Retraction

What is the name for the bending of light as it passes from one medium into another?

- A) Reflection
- B) Refraction**
- C) Retraction

What is the angle of the hands of a clock at 1 o'clock?

- A) 30 degrees**
- B) 45 degrees
- C) 60 degrees
- D) 90 degrees

What are the primary colors?

- A) Red, green and purple
- B) Red, yellow and blue**
- C) Red, green and blue

What is the major protein of the hard exterior of insects?

- A) Chitin**
- B) Keratin
- C) Collagen

What is measured in Amperes?

- A) Electric potential
- B) Electric current**
- C) Electric resistance

What is a camel's hump made of?

- A) Water
- B) Muscle
- C) Fat**

What is the shape of DNA?

- A) Straight
- B) Gay
- C) double helix**
- D) triple helix

What is the chemical symbol for ozone?

- A) O
- B) O<sub>2</sub>
- C) O<sub>3</sub>**
- D) O<sub>4</sub>

What creature got its name from the Portuguese word for stupid?

- A) Kiwi
- B) Sloth
- C) Dodo**

Where on earth is the gravity the highest?

- A) the equator
- B) the poles**