



SCIENCE QUIZ

CELEBRATING THE NATIONAL SCIENCE
DAY 2018





PHYSICS

QUESTION 2

The visible debris around a black hole is referred to as an:

- A. Event Horizon
- B. Asteroid Belt
- C. Accretion Disk
- D. Ergosphere
- E. Dyson Sphere

Answer : Accretion disk

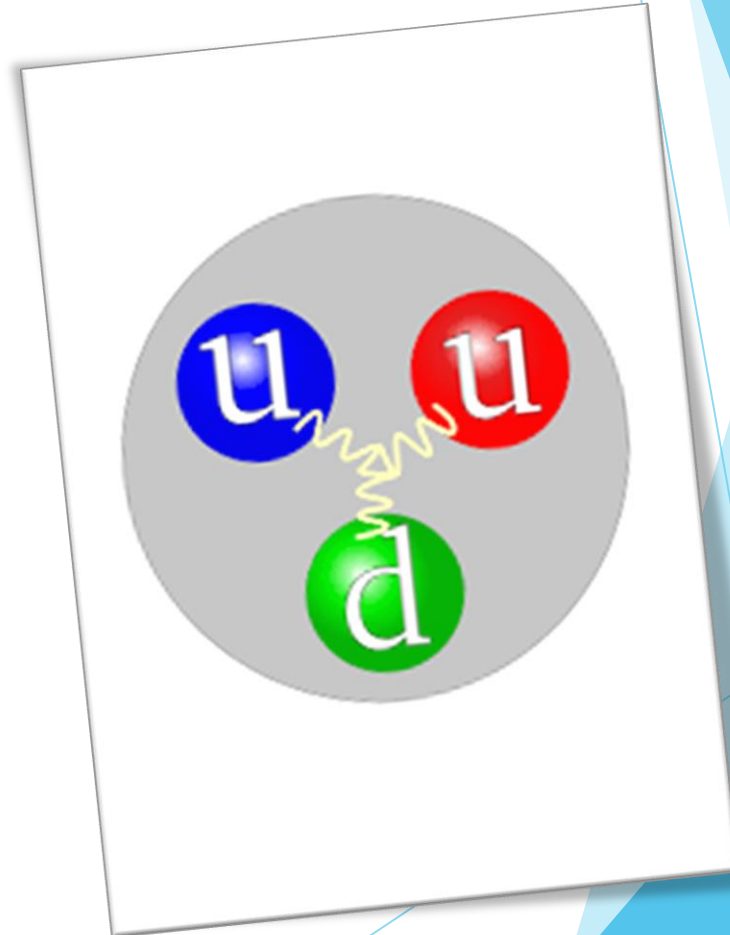


QUESTION 3

What is described as “Up, Down, Strange, Charmed”

- A. Baryons
- B. Leptons
- C. Positrons
- D. Quarks
- E. Tachyons

Answer : quarks



QUESTION 4

The Michelson-Moreley experiment was first correctly explained by.

- A. Galilean Relativity
- B. Special Relativity
- C. General Relativity
- D. Quantum Field Theory
- E. String Theory

► Answer : special relativity

QUESTION 5

If you fill a glass to the brim with ice water and the ice melts, what will happen?

- A. The water level will overflow after the ice melts.
- B. The water level will remain constant.
- C. The water level will decrease.
- D. The ice will not melt .

Answer : the water level will decrease



QUESTION 6

If velocity of a moving body is made 3 times, what happens to its Kinetic energy?

- A. K.E will increase 9 times
- B. K.E will increase 3 times
- C. K.E will decrease 3 times
- D. There will be no change in the Kinetic energy

Answer: K. E will increase 9 times.

QUESTION 7

In which year did G.S. Ohm formulate Ohm's law?

- A.1828
- B.1724
- C.1798
- D.1898

Answer : 1828

QUESTION 8

Where in India is cyclotron, the particle accelerator machine installed?

- A. Mumbai
- B. Bengaluru
- C. Kolkata
- D. Chennai

Answer : Kolkata

QUESTION 9

What the use of Fathometer?

- A. The measure the depth of soil
- B. To measure the depth of water
- C. To measure the concentration of acid
- D. To measure the growth of plants

Answer: To measure the depth of water



QUESTION 10

What is the purpose of a Geiger counter?

- A. To detect the amount intensity of X rays
- B. To detect nuclear particles
- C. To measure the strength of magnetic field
- D. To count the wavenumber of a given sound wave

Answer: To detect nuclear particles



BIOLOGY

QUESTION 11

Which is the best example of convergent evolution.

- A. Chimpanzees and Humans
- B. Chimpanzees and Gorillas
- C. Dolphins and Whales
- D. Dolphins and Sharks
- E. Dolphins and Humans

Answer : Dolphins and Sharks

QUESTION 12

5. Which Vitamin is called niacin?

- A. Vitamin B12
- B. Vitamin A
- C. Vitamin B2
- D. Vitamin B3

ANSWER : Vitamin B3

QUESTION 13

What is the use of Crescograph?

- A. To measure the direction of wind
- B. To measure the amount of fallen rain
- C. To measure the intensity of an earthquake
- D. To measure the kinetic energy of charged particles

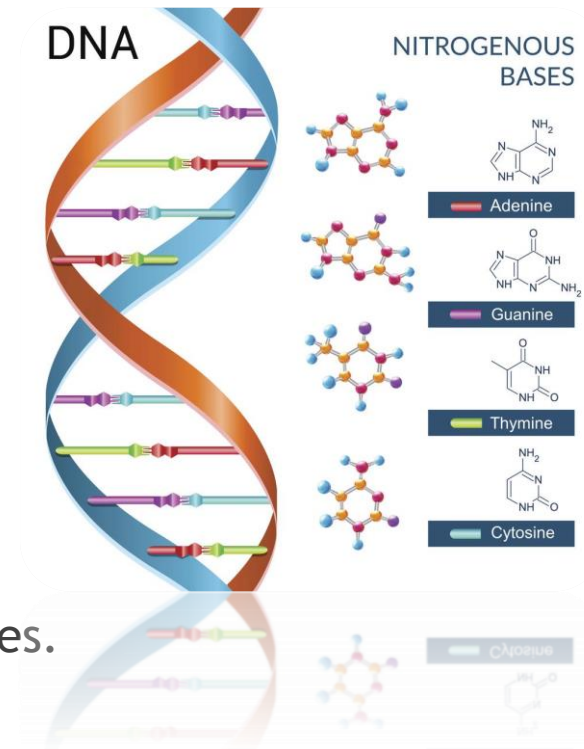
Answer: To measure the growth of plants.

QUESTION 14

The purpose of DNA in the cell is to:

- A. Be transcribed into mRNA.
- B. Be transcribed into rRNA.
- C. Be transcribed into tRNA.
- D. Act as an enzyme to catalyze reactions.
- E. Store the blueprint for different forms of carbohydrates.

Answer : Be transcribed into mRNA.



QUESTION 15

O+ blood can be transfused into people with which blood types?

- A. Any blood type.
- B. Only other O+ blood types.
- C. Any blood type that is RH+.
- D. Any blood type that is RH-
- E. AB+ only

Answer : Any blood type that is RH+.

QUESTION 16

1. One of the essential minerals in the human body is salt. How much salt (NaCl) is in the average adult human body?

- A. 1kg
- B. 500 g
- C. 250 g
- D. None

Answer : 250 g

QUESTION 17

All of the following are amino acids except:

- A. Tryptophan
- B. Tyrosine
- C. Adenine
- D. Leucine

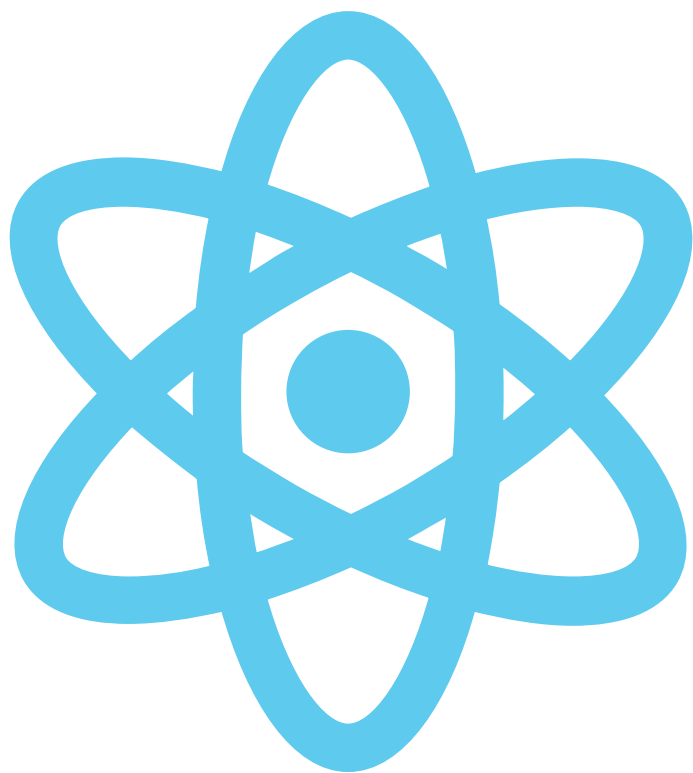
▶ Answer : adenine

QUESTION 18

In DNA codes for proteins, which is the most abundant protein in the human body?

- A. Tubulin
- B. Albumin
- C. Keratin
- D. Collagen

Answer : Collagen



CHEMISTRY

QUESTION

Which one of the following elements were discovered by Marie curie ?

- A. Radium
- B. Plutonium
- C. Curium
- D. Francium

QUESTION 19

With which polymer, the cabinets of radio and TV made of?

- A. Polyvinylchloride
- B. Polypropene
- C. Polystyrene
- D. Polythene

Answer : Polystyrene



QUESTION 20

Which is the most suitable temperature for the production of sulfur trioxide from sulfur dioxide and oxygen?

Answer: 450° C.

QUESTION 21

What is the name of process used for manufacturing ammonia direct from Nitrogen and hydrogen elements?

Answer: Haber process.

QUESTION 22

How many atomic orbitals are known? What are they?

Answer : S P D F

QUESTION 23

1) Who was the first person to suggest that matter could neither be created nor destroyed?

- A. Pythagoras
- B. Aristotle
- C. Sir Isaac Newton
- D. Parmenides

Answer: Parmenides

QUESTION 24

Which chemical is used to make rain coats?

- A. Rubber
- B. plastic
- C. PVC
- D. Polythene

ANSWER: Poly Vinyl Chloride (PVC)

QUESTION 25

What is the use of Gravimeter?

- A. To measure the gravity on the surface of earth
- B. To measure the mass of an object
- C. To measure the quantity of oil under water
- D. To measure the quantity of a dissolved fluid

Answer: To measure the quantity of oil under water.

QUESTION 26

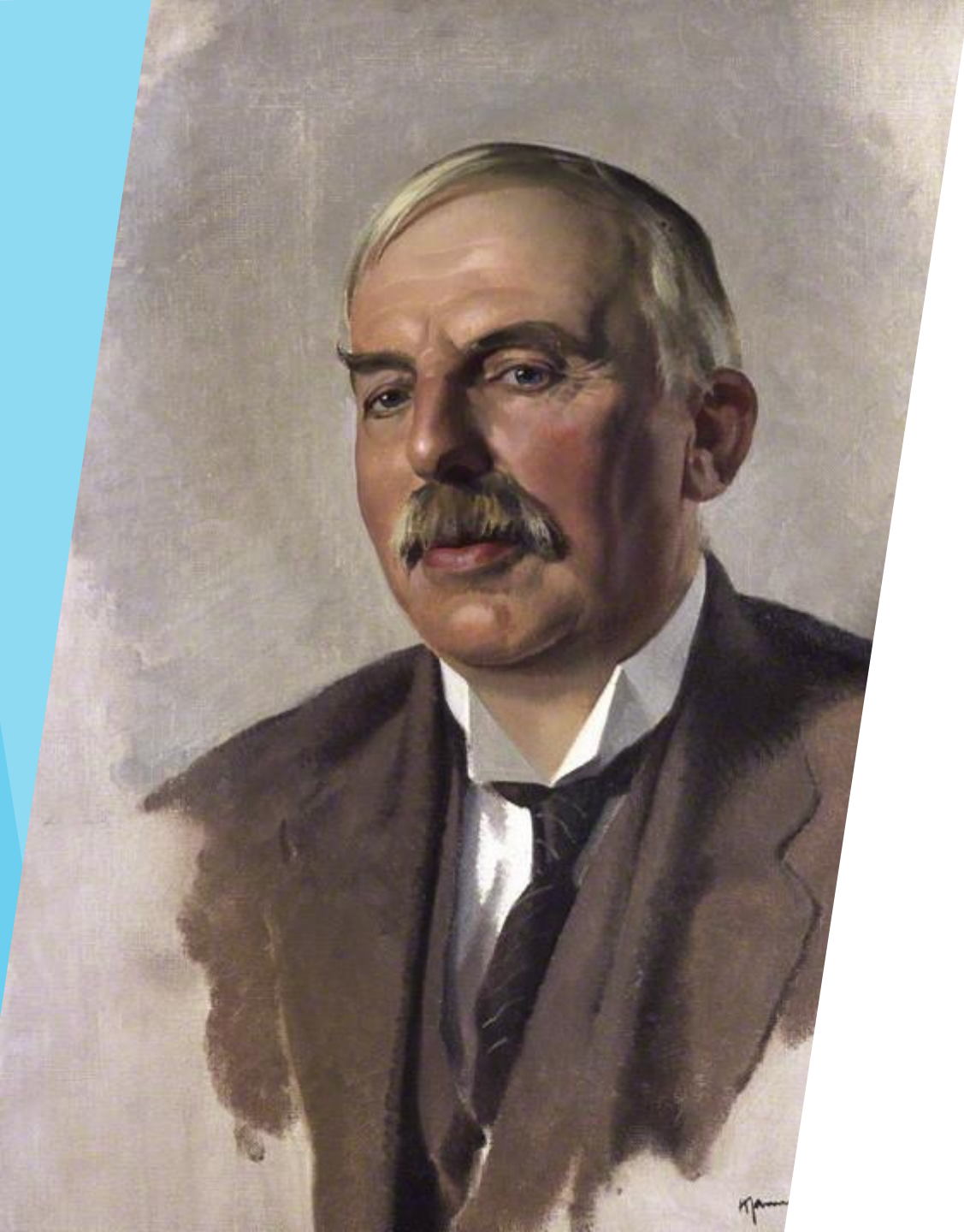
Refrigerators use the process of _____ to remove heat from the interiors.

- A. Combustion
- B. Compression
- C. Sublimation
- D. Evaporation

Answer : Evaporation



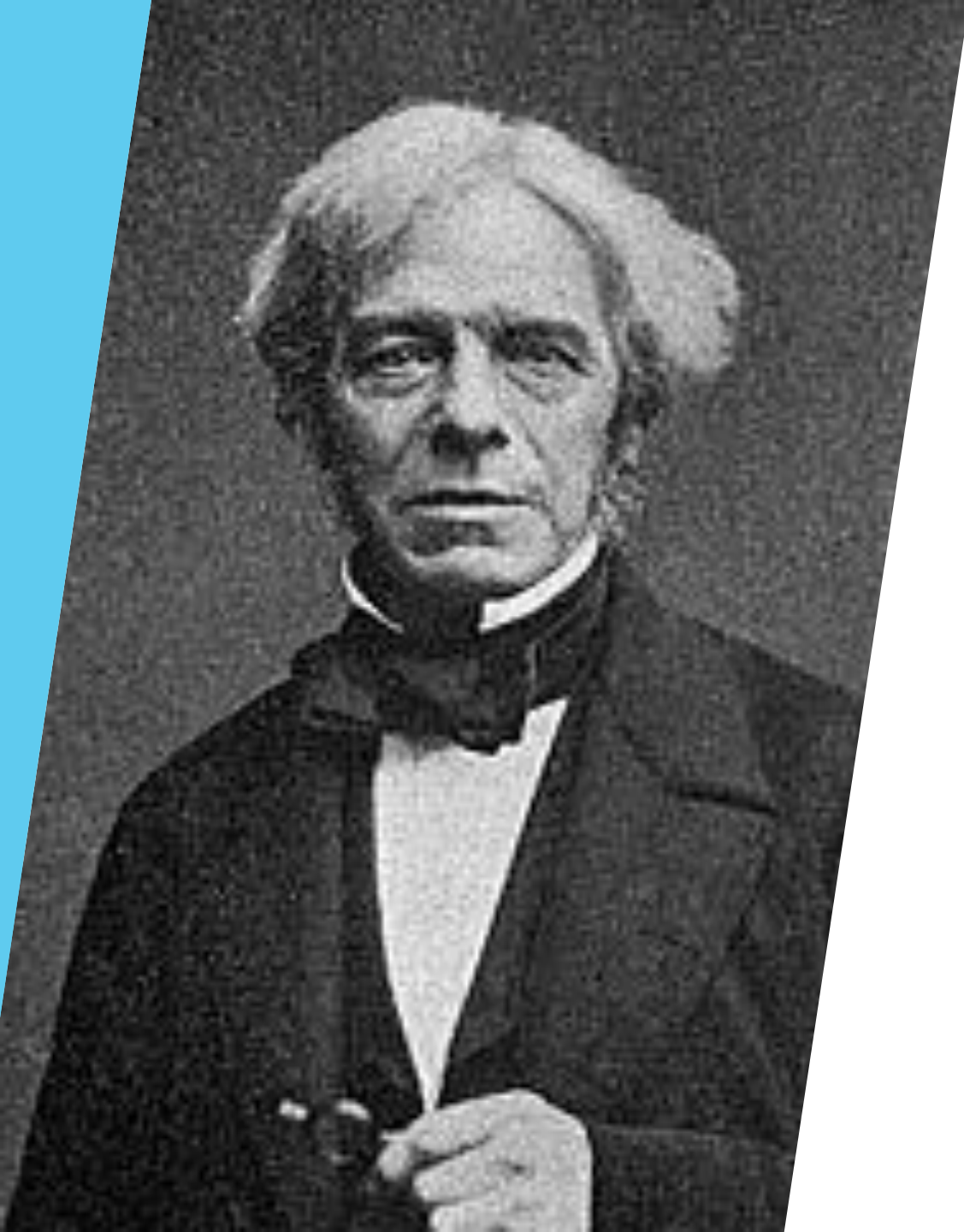
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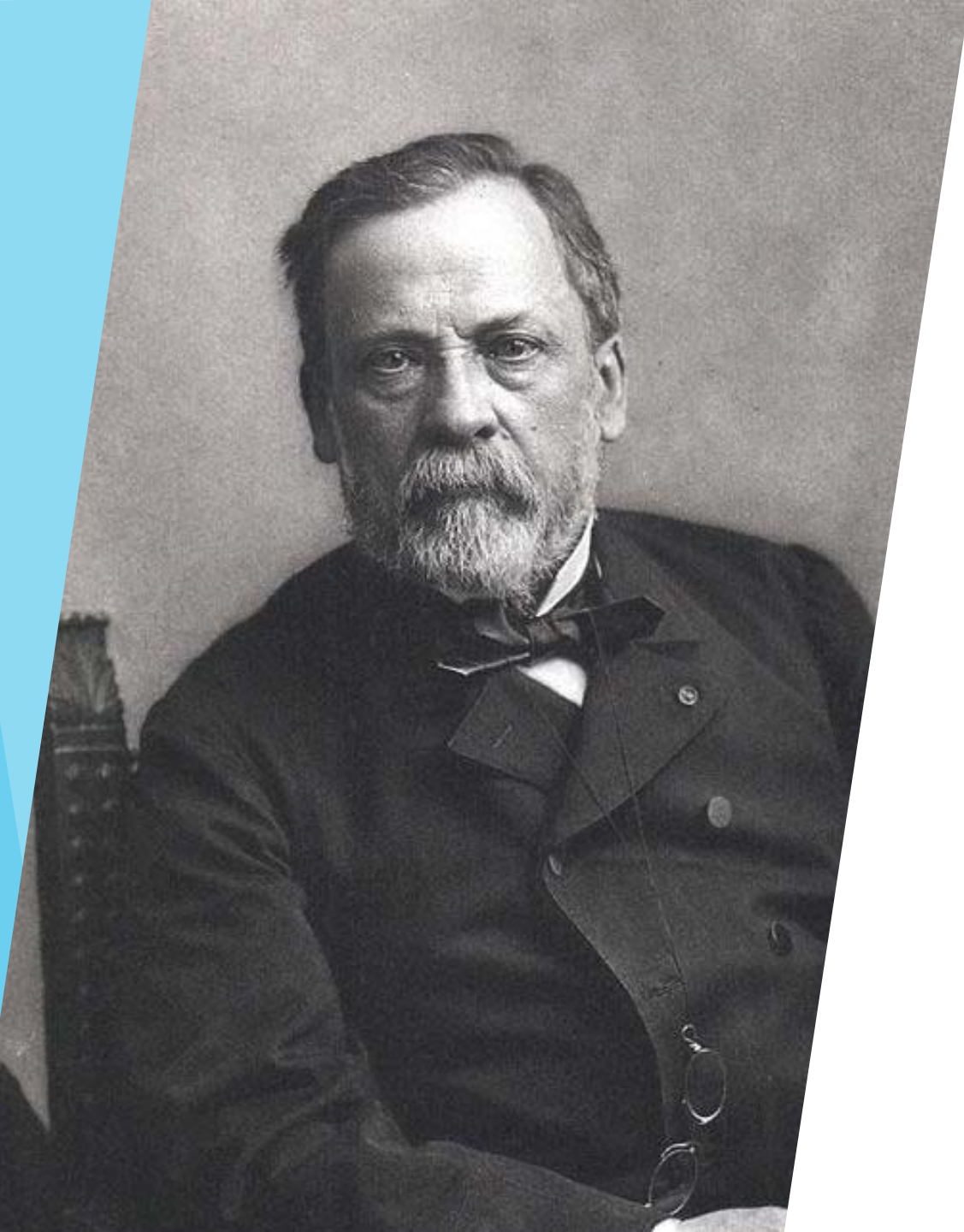
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