

# SCIENCE TRIVIA QUESTIONS XX



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1> On average, how much does human hair grow in one year?

- a. 12 inches
- b. 6 inches
- c. 9 inches
- d. 3 inches

2> Besides creating the now-worthless slide rule, what is mathematician William Oughtred's claim to fame?

- a. Created the multiplication sign X
- b. Helped Newton develop calculus
- c. Did pioneering Sanskrit research
- d. Founded the Royal Society

3> Who discovered X-Rays?

- a. Martin Luther
- b. Sir Isaac Newton
- c. Arthur Schopenhauer
- d. Wilhelm Roentgen

4> Which of the following is the most acidic pH?

- a. 1.0
- b. 9.0
- c. 6.0
- d. 2.5

5> After pooling his money with friends to buy a diamond, which scientist burned it in 1772 to discover that diamonds are made of carbon?

- a. Joseph Priestley
- b. Antoinet Lavoisier
- c. Carl Scheele
- d. Humphrey Davy

6> Which is the second most abundant chemical element on Earth?

- a. Silicon
- b. Hydrogen
- c. Nitrogen
- d. Oxygen

7> Which group does not fit the unicellular definition of Kingdom Protista?

- a. Algae
- b. Slime Molds
- c. Protozoans
- d. Seaweeds

8> How many "Earth's" could be formed out of the volume of the Sun?

- a. 201,000
- b. 1.3 Million
- c. 300,100
- d. 252,000

9> Can you identify the branch of mathematics that primarily deals with apothems?

- a. Algebra
- b. Calculus
- c. Differential calculus
- d. Geometry

10> What is the largest and heaviest organ of the human body?

- a. Heart
- b. Stomach
- c. Liver
- d. Skin

11> What does the goliath birdeater spider use in its web to help catch its prey?

- a. They bait the web with insects
- b. They scent the web
- c. Flowers
- d. A trip wire

12> Which principle, first stated by Antoine-Laurent Lavoisier in 1789, was revised in 1905 by Albert Einstein?

- a. Conservation of Mass
- b. Conservation of Momentum
- c. Principle of First Action
- d. Lagrangian Function

13> Famed scientist, chemist Jons Jakob Berzelius (1779-1848) was a native of what country?

- a. Switzerland
- b. Austria
- c. Germany
- d. Sweden

14> In 1820, which metal was the first substance after iron, shown to be capable of being magnetized?

- a. Copper
- b. Gold
- c. Nickel
- d. Silver

15> Who invented dynamite?

- a. Tzun Ling
- b. Alfred Nobel
- c. Albert Einstein
- d. Alfred E. Neumann

## Answers:

- 1> 6 inches - About a half an inch per month.
- 2> Created the multiplication sign X - He also introduced the abbreviations 'sin' and 'cos' for the sine and cosine functions.
- 3> Wilhelm Roentgen - The achievement earned him the first Nobel Prize in Physics in 1901.
- 4> 1.0 - The lower the pH, the more acidic the solution is.
- 5> Antoinet Lavoisier - Antoinet was guillotined on the 8th of May in 1794. He was 50 years old.
- 6> Silicon - Silicon dioxide and other silicates make up about 87 percent of the material in the Earth's crust.
- 7> Seaweeds - Protists live in almost any environment that contains water.
- 8> 1.3 Million - Three quarters of the Sun's mass consists of hydrogen and the rest is mostly helium.
- 9> Geometry - A mathematician who works in the field of geometry is called a geometer.
- 10> Skin - All mammals have some hair on their skin.
- 11> A trip wire - The goliath birdeater is considered to be the second largest spider in the world.
- 12> Conservation of Mass - The principle implies that mass can neither be created nor destroyed.
- 13> Sweden - Jons is considered one of the fathers of modern chemistry.
- 14> Copper - As a trace dietary mineral, copper is essential to all living organisms.
- 15> Alfred Nobel - Nobel held 350 different patents, dynamite being the best known.