MULTI QUIZ

PHYSICS

ABCD

1. Who built and described the first electric battery in 1800?

- [ ] Michael Faraday
- [ ] Luigi Galvani
- [ ] Alessandro Volta
- [ ] André-Marie Ampère

INTEGER

2. What is the highest value on the pH scale?

Answer: _____

± You can be off by 1.

AGE

3. In which century was superconductivity discovered?

Answer: _____

± You can be off by one century.

ABCD

4. Where was Isaac Newton born?

- [ ] Woolsthorpe
- [ ] London
- [ ] Oxford
- [ ] Cambridge

AGE

5. In which century did Wilhelm Röntgen discover X-rays?

Answer: _____

± You can be off by one century.

YES/NO

6. Is air a chemical compound?

- [ ] No
- [ ] Yes

ABCD

7. What is the electrode through which electric current flows into a device, such as a vacuum tube, called?

- [ ] The cathode
- [ ] The anode

ABCD

8. What does a pyrometer measure?

- [ ] Temperature
- [ ] Electric current
- [ ] Humidity
- [ ] Pressure

YES/NO

9. Was the Italian-born American physicist Enrico Fermi a Nobel Prize winner?

- [ ] No
- [ ] Yes

ABCD

10. What is the unit of reactive power?

- [ ] Volt-ampere
- [ ] Watt
- [ ] Joule
- [ ] Var

ABCD

11. Which physicist presented a disc with colored sectors in 1704 to demonstrate additive color mixing?

- [ ] Johann Wolfgang von Goethe
- [ ] Christiaan Huygens
- [ ] Robert Hooke
- [ ] Isaac Newton

INTEGER

12. What is the atomic number of hydrogen?

Answer: _____

ABCD

13. What is the unit of radioactivity, named after the discoverer of radioactivity?

- [ ] Sievert
- [ ] Becquerel
- [ ] Gray
- [ ] Curie

ABCD

14. Which two physical quantities define the triple point of a substance?

- [ ] Mass and volume
- [ ] Temperature and pressure
- [ ] Density and temperature
- [ ] Pressure and volume

ABCD

15. Does friction act in the direction of a body's motion or opposite to it?

- [ ] In the same direction
- [ ] Opposite to it

ABCD

16. Which letter denotes the mass number?

- [ ] N
- [ ] M
- [ ] Z
- [ ] A

ABCD

17. What is the transition of a liquid into a gas at its surface called?

- [ ] Condensation
- [ ] Freezing
- [ ] Sublimation
- [ ] Evaporation

YES/NO

18. Is aluminum a dielectric?

- [ ] No
- [ ] Yes

YES/NO

19. Is the weight of a body a force?

- [ ] No
- [ ] Yes

ABCD

20. What is the change in frequency of a wave recorded by an observer moving relative to its source called?

- [ ] Hall effect
- [ ] Doppler effect
- [ ] Tyndall effect
- [ ] Compton effect

Answers

PHYSICS

1. **Alessandro Volta**
2. **14**
3. **XX century**
   It was discovered in 1911 by Heike Kamerlingh Onnes.
4. **Woolsthorpe**
   Newton was born in the hamlet of Woolsthorpe in Lincolnshire, three months after his father's death. He also spent 1665–1666 there, when the universities were closed because of the plague.
5. **XIX century**
   He published his results on December 28, 1895. The name "X-rays" that he proposed is still in use today.
6. **No**
   No, it is not a chemical compound. Air is a mixture of the gases that make up the atmosphere.
7. **The anode**
   In vacuum tubes the anode is the positive electrode. The name comes from the Greek "ana", up, and "hodos", way.
8. **Temperature**
   The measurement is made without contact.
9. **Yes**
10. **Var**
    The name is short for "volt-ampere reactive". The watt is the unit of real power, and the volt-ampere of apparent power.
11. **Isaac Newton**
    The right combination of colors on the spinning disc gives the impression of white.
12. **1**
13. **Becquerel**
    Henri Becquerel shared the 1903 Nobel Prize with Pierre Curie and Marie Skłodowska-Curie for the discovery and study of radioactivity.
14. **Temperature and pressure**
    At this point all three states of matter of the substance can coexist.
15. **Opposite to it**
16. **A**
    The mass number is the number of nucleons – protons and neutrons – in an atom's nucleus. The atomic number, the number of protons, is denoted by Z, and the number of neutrons by N.
17. **Evaporation**
    When the change occurs throughout the liquid, it is called boiling. The reverse process, gas turning into liquid, is condensation.
18. **No**
    No. Aluminum is a very good electrical conductor and is used, among other things, in high-voltage power lines.

19. **Yes**
Weight is another name for the force of gravity acting on a body.

20. **Doppler effect**

Play thousands more questions

Get the free MultiQuiz app – duels, live tournaments and a daily Grand Final.

GET IT ON Google Play

Download on the App Store

Scan the code to get the app