

# General Science

## Multiple Choice Questions

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Iron powder is black in colour and sulphur powder is yellow. A student did two experiments using iron and sulphur powders.

The results are recorded in the table below.

	EXPERIMENT 1	EXPERIMENT 2
Method	Mixed and stirred iron and sulphur together	Heated the iron and sulphur mixture
Observation	Yellow powder with bits of black in it	A hard gray lump

1. What is the substance observed in Experiment 1?
  - A. a compound
  - B. an element
  - C. a mixture
  - D. a solution
2. What is the hard gray lump in Experiment 2?
  - A. Lead
  - B. Iron oxide
  - C. Iron sulphide
  - D. Sulphur dioxide
3. The earth's atmosphere is a mixture of mostly
  - A. Carbon dioxide and oxygen
  - B. Nitrogen and carbon dioxide
  - C. Nitrogen and oxygen
  - D. Water vapour and oxygen
4. Which weather front results in short and heavy precipitation?
  - A. Cold front

- B. Occluded front
  - C. Stationary front
  - D. Warm front
5. What results when a force causes an object to move?
- A. Friction
  - B. Matter
  - C. Power
  - D. Work
6. Which is an example of increasing potential energy?
- A. Climbing a ladder
  - B. Hot water
  - C. Hitting a baseball
  - D. Running downhill
7. How does a machine change a force?
- A. Direction and mass
  - B. Size and direction
  - C. Size and mass
  - D. Size and input
8. Which of the following statement about sound is correct?
- A. Sounds are caused by vibrating matter
  - B. Sounds can travel in a vacuum
  - C. Sounds travel faster in air
  - D. Sound waves cannot be reflected
9. What kind of material would be most suitable in the construction of a recording studio?
- A. Carpet
  - B. Ceramic tiles
  - C. Concrete blocks
  - D. Glass
10. How often do tides occur in the Bahamas?
- A. Once a day
  - B. Once per week
  - C. Twice per day
  - D. Twice per week

11. What is the correct way to carry a microscope?

- A. hold it swinging in one hand
- B. hold the arm and support the base
- C. hold the stage and support the base
- D. hold the arm and the eye piece

12. Which group is classified as simple plants?

- A. algae
- B. bacteria
- C. ferns
- D. mosses

13. Which organism is **not** a fish?

- A. grouper
- B. jellyfish
- C. marlin
- D. Wahoo

14. How many atoms are present in a molecule of ammonia ( $\text{NH}_3$ )?

- A. 2
- B. 3
- C. 4
- D. 5

15. Which is a unit of current?

- A. ampere
- B. joule
- C. volt
- D. watt

16. Which is the most abundant gas in the atmosphere?

- A. argon
- B. helium
- C. nitrogen
- D. oxygen

17. How many poles does a bar magnet have?

- A. 1
- B. 2

- C. 3
- D. 4

18. What is the average human body temperature?

- A. 32.0° C
- B. 98.6° C
- C. 10.0° C
- D. 120.6° C

19. What are stationary electric charges called?

- A. current electricity
- B. magnetism
- C. static electricity
- D. voltage

20. Which pH indicates a neutral substance?

- A. 1
- B. 4
- C. 7
- D. 10

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