

Awesome Chemistry for Little Explorers

Chemistry · Answer Key · 18 Questions

1. What do we call the tiny building blocks that make up everything around us, like toys, food, and even the air we breathe?

A) Big blocks

B) Atoms

C) Super bricks

D) Giant LEGOs

2. What is the name of the gas in the air that we need to breathe to live?

A) Fart gas

B) Balloon gas

C) Oxygen

D) Bubble gas

3. When water gets super, super cold, what does it turn into that we can skate on?

A) Steam

B) Soup

C) Ice

D) Juice

4. What is the liquid that we drink, that can be clear and is essential for life?

A) Milk

B) Juice

C) Water

D) Paint

5. What do we call it when a solid, like an ice cube, melts and turns into a liquid?

A) Freezing

B) Boiling

C) Melting

D) Frying

6. What is the colour of most of the oxygen we breathe?

A) Green

B) Blue

C) Yellow

D) Clear

7. When you mix baking soda and vinegar, what exciting thing happens that makes lots of bubbles and fizz?

- A) It turns into candy
- B) It makes a loud bang
- C) A chemical reaction**
- D) It makes a smell

8. What is the gas that makes balloons float up into the sky?

- A) Air
- B) Oxygen
- C) Helium**
- D) Water vapor

9. What do we call it when a liquid, like water, gets very hot and turns into a gas that we can't see, called steam?

- A) Freezing
- B) Melting
- C) Evaporating**
- D) Cooling

10. What element is a shiny, grey metal that is commonly used to make coins?

- A) Gold
- B) Silver
- C) Iron**
- D) Copper

11. What common, white, powdery substance do we use to make cakes and cookies fluffy?

- A) Salt
- B) Sugar
- C) Flour
- D) Baking soda**

12. What is the name of the gas that plants use from the air to make their own food and release oxygen?

- A) Oxygen
- B) Nitrogen
- C) Carbon dioxide**
- D) Hydrogen

13. What is the state of matter that has no fixed shape and fills its container, like the air we breathe?

- A) Solid
- B) Liquid
- C) Gas**
- D) Plasma

14. What do we call the process where a gas turns back into a liquid, like when you see water drops on a cold glass?

- A) Evaporation
- B) Melting
- C) Condensation**
- D) Boiling

15. What is the element that makes up most of the air we breathe, even more than oxygen?

- A) Oxygen
- B) Carbon dioxide
- C) Hydrogen
- D) Nitrogen**

16. What is the name of the sticky substance that bees make and we sometimes eat, which is made of sugars?

- A) Syrup
- B) Jam
- C) Honey**
- D) Marmalade

17. What happens to a plant when it doesn't get enough water?

- A) It grows faster
- B) It wilts**
- C) It turns blue
- D) It gets stronger

18. What is the element that makes rust on iron things when they get wet?

- A) Carbon
- B) Oxygen**
- C) Gold
- D) Sulfur