

01



You turn a doorknob to open the door. Which simple machine is helping you?

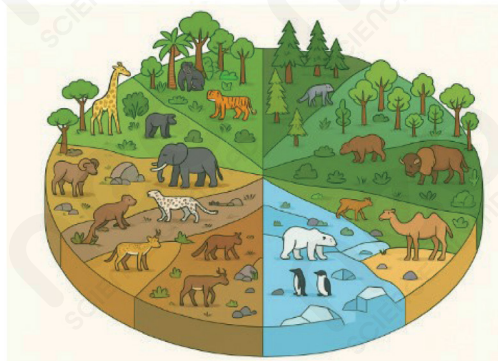
- A) A wedge
- B) A wheel and axle
- C) A screw
- D) A pulley

02

Which of the following is a solid at room temperature?

- A) Juice in a bottle
- B) Steam from a kettle
- C) A pencil on the desk
- D) Honey on a spoon

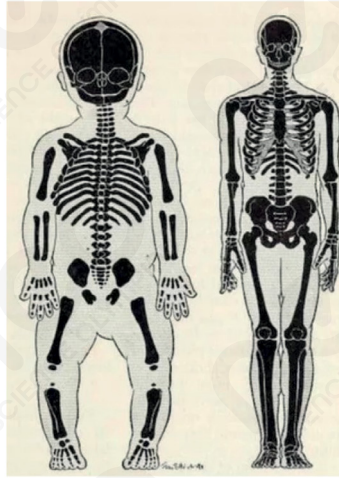
03



Each section in the image shows animals living in different environments (deserts, forests, tundra, and grasslands). What is the most likely reason the animals and plants in each section are different?

- A) Animals and plants choose where they want to live randomly
- B) Each environment has unique climate and conditions that support specific adaptations
- C) All environments are actually the same and animals just look different
- D) Only the plants decide where animals live

04



What happens to the number of bones in the human body from birth to adulthood?

- A) Adults have more bones than babies
- B) Babies and adults have the same number of bones
- C) Babies have more bones than adults
- D) Adults lose all their bones and grow new ones

05

You're assembling a wagon. You need to lift the heavy wagon bed straight up and keep the frame from rolling while you pull. Which simple machines work together to make this happen?

- A) Inclined plane and screw
- B) Pulley and wedge
- C) Lever and screw
- D) Wheel and axle

06



Which statement best describes a star?

- A) A large ball of rock that orbits a star
- B) A planet that shines in the dark
- C) A hot ball of gas that gives off its own light and energy
- D) A cloud of gas and dust in space

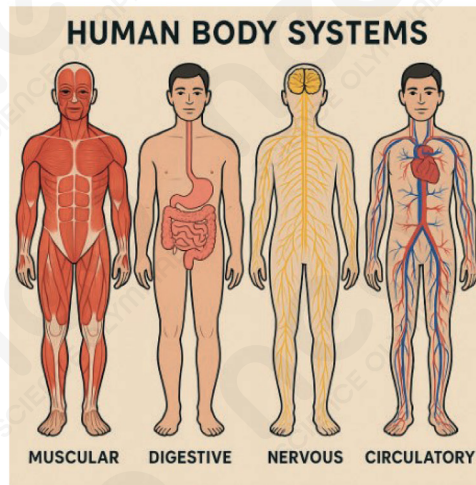
07



Which state of matter has particles that move freely and are far apart?

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

08



Match each human body system to its main function.

Body Systems

1. Muscular System
2. Digestive System
3. Nervous System
4. Circulatory System

Functions

- A. Sends signals through the body
- B. Moves the body
- C. Breaks down food for energy
- D. Transports blood, oxygen, and nutrients throughout the body

- A) 1B, 2C, 3A, 4D
- B) 1D, 2C, 3A, 4B
- C) 1A, 2C, 3D, 4B
- D) 1C, 2B, 3A, 4D

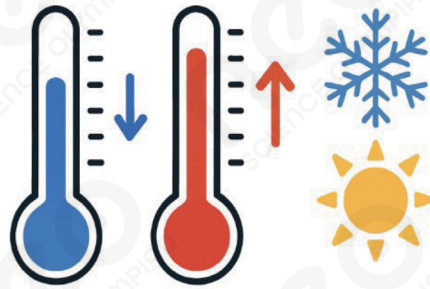
09



What is the difference between weather and climate?

- A) Weather is what is happening now, and climate is the typical weather over many years
- B) Weather never changes, but climate does
- C) Climate is for animals, and weather is for people
- D) They mean the same thing

10



Which instrument do scientists use to measure air temperature?

- A) Barometer
- B) Thermometer
- C) Rain gauge
- D) Compass

11

You are pulling a wagon with books in it. Then you add more books. What will you notice when you try to pull it again (on the same surface)?

- A) It feels lighter and moves faster
- B) It takes more force to pull because of the added weight
- C) The books float and help it move
- D) The wagon uses less energy because it's full

12

The Moon does not make its own light. Why do we see the Moon shining in the sky?

- A) The Moon is glowing with heat
- B) The Sun's light reflects off the Moon's surface
- C) Stars shine on the Moon to make it bright
- D) The Moon lights itself up at night

13

In a simple circuit that is not plugged into a wall outlet, what is the source of electrical energy?

- A) Wire
- B) Light bulb
- C) Battery
- D) Switch

14



Plastic is used in many things, like bottles, bags, and packaging. But when plastic is thrown away and not recycled, it can end up in the ocean and harm animals like turtles and fish. What is one good reason to use less plastic and recycle more?

- A) Because plastic makes animals stronger
- B) To keep the environment cleaner and help protect wildlife
- C) So we can throw more things in the ocean
- D) Because plastic disappears in a few days

15



When vinegar is mixed with baking soda, it bubbles and creates a gas. Which observation is evidence of a chemical reaction?

- A) The mixture freezes into ice
- B) Nothing changes at all
- C) Bubbles form and a gas is released
- D) The solid just breaks into smaller pieces without any bubbles

16



Which state of matter has a fixed volume but takes the shape of its container?

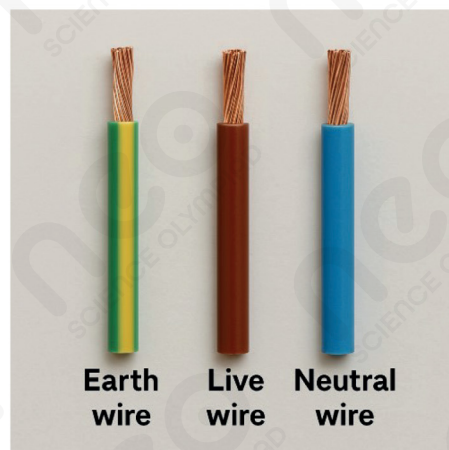
- A) Solid
- B) Liquid
- C) Gas
- D) Plasma

17

What is the smallest particle of an element that still has the properties of that element?

- A) Atom
- B) Molecule
- C) Proton
- D) Neutron

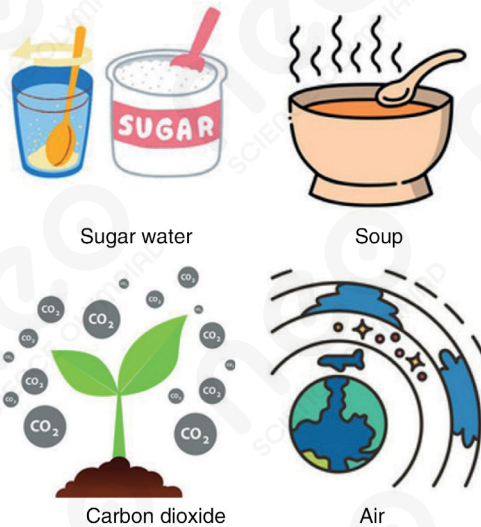
18



Why is it important that large household appliances such as refrigerators are connected to the ground (earth) wire?

- A) To reduce the amount of current used by the appliance
- B) To provide a safe, low-resistance path for fault current to ground so the fuse or circuit breaker trips
- C) To improve the efficiency of the appliance
- D) To ensure the appliance always receives maximum voltage

19

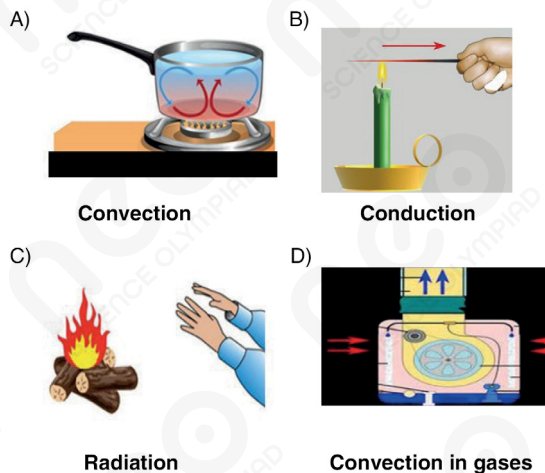


Which of the substances in the image above is not a mixture?

- A) Sugar water
- B) Soup
- C) Carbon dioxide(CO_2)
- D) Air

20

Which of these methods of heat transfer is the most obscure (least noticeable) form that everyone experiences every day?



21



Which statement about how sound travels is true?

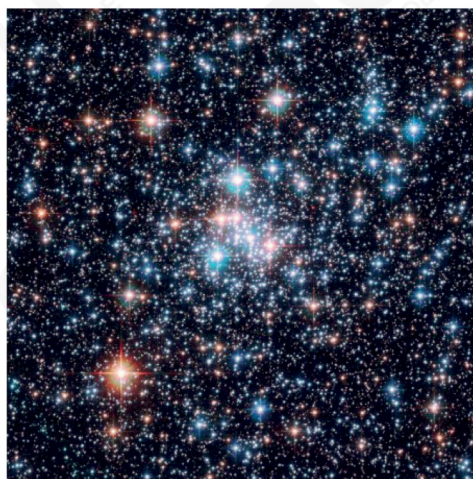
- A) In straight lines like light
- B) Through wires only
- C) By moving through solids, liquids, or gases
- D) Only through water

22

A student wonders, "Do colder temperatures slow the rate at which sugar dissolves in water?" Which of the following is the best testable hypothesis?

- A) I think sugar is sweet
- B) Warm water is better to drink
- C) I like cold water
- D) Sugar will dissolve faster in warm water than in cold water

23



Which object is Earth's nearest star?

- A) The Sun
- B) Jupiter
- C) The Moon
- D) Polaris

24

Which statement best explains why elements in the same group (column) of the periodic table have similar chemical properties?

- A) They have the same number of protons in the nucleus.
- B) They have the same number of neutrons in the nucleus.
- C) They have the same number of electrons in their outermost (valence) shell.
- D) They have the same atomic mass

25



Why does Earth support life, while Venus and Mars do not (as far as we know)?

- A) Earth is closer to the Sun than Venus.
- B) Earth has a suitable atmosphere and liquid water.
- C) Earth's surface is covered entirely by land.
- D) Earth has more moons than Venus and Mars.

Answer Key

1	B
2	C
3	B
4	C
5	B
6	C
7	C
8	A
9	A
10	B
11	B
12	B
13	C
14	B
15	C
16	B
17	A
18	B
19	C
20	D
21	C
22	D
23	A
24	C
25	B