# Basic Science Fundamentals

Science · Answer Key · 12 Questions

**1. Which organ in the human body is primarily responsible for pumping blood?**

A) Lungs
**B) Heart**
C) Liver
D) Kidneys

**2. What is the chemical symbol for water?**

A) CO2
B) NaCl
**C) H2O**
D) O2

**3. Which planet in our solar system is known as the Red Planet?**

A) Venus
**B) Mars**
C) Jupiter
D) Saturn

**4. What process do plants use to convert sunlight into energy?**

A) Respiration
**B) Photosynthesis**
C) Transpiration
D) Fermentation

**5. What is the hardest natural substance on Earth?**

A) Gold
B) Iron
**C) Diamond**
D) Quartz

**6. Which gas do humans primarily exhale as a waste product of respiration?**

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

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**7. At what temperature does water boil at sea level in degrees Celsius?**

A) 50°C
B) 90°C
**C) 100°C**
D) 120°C

**8. How many bones are there in an adult human skeleton?**

A) 156
**B) 206**
C) 306
D) 406

**9. Which force keeps us grounded on Earth?**

A) Magnetism
B) Friction
**C) Gravity**
D) Inertia

**10. Which state of matter has a definite volume but no definite shape?**

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

**11. What is the center of an atom called?**

**A) Nucleus**
B) Electron
C) Proton
D) Molecule

**12. Which vitamin is primarily produced when human skin is exposed to sunlight?**

A) Vitamin A
B) Vitamin B12
C) Vitamin C
**D) Vitamin D**

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