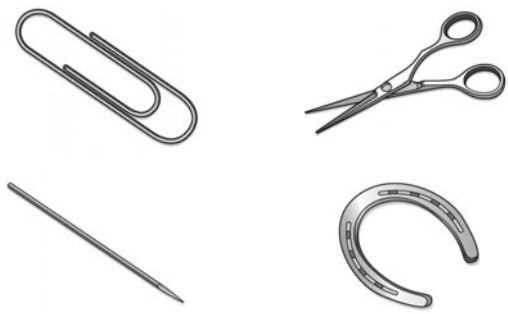


Properties of Matter

Choose the letter of the best answer.

- Which of these choices is a physical property that does not change when the size of the sample changes?
A. mass
B. volume
C. density
D. flammability
- Hydrogen gas (H_2) can be found in trace amounts in Earth's atmosphere. Which of these statements describes a physical property of hydrogen?
A. Hydrogen is found in acids.
B. Hydrogen gas is highly flammable.
C. Hydrogen reacts with oxygen to form water.
D. Hydrogen gas is less dense than oxygen gas.
- Which of these is a chemical property of a sheet of paper?
A. The paper can be burned.
B. The paper can be crumpled.
C. The paper does not attract a magnet.
D. The paper does not conduct electricity.

- The pictures below show four objects—a paper clip, a pair of scissors, a needle, and a horseshoe. Assume that each object is made of the same metal.



Which of these physical properties is not similar in all four of these objects?

- mass
B. magnetism
C. specific heat
D. electrical conductivity
- Which of these statements describes a chemical property of an object?
A. The object is white in color.
B. The object has a powdery texture.
C. The object's density is 2.11 g/cm^3 .
D. The object reacts with acid to form water.