

Physical and Chemical Properties

Use with textbook pages 88–90.

Identify the physical or chemical property that is described in each statement.

1. Salt dissolves in water. _____
2. Copper produces a green flame. _____
3. An ice cube turns into water at 0 °C. _____
4. Sandpaper feels rough and gritty to the touch. _____
5. Dry Christmas trees can catch fire and burn easily. _____
6. The handle of a metal frying pan is too hot to touch. _____
7. Water heated in a kettle will turn to steam at 100 °C. _____
8. A spoonful of honey will pour slower than a spoonful of vegetable oil.

9. Gold is very soft and can be hammered into thin sheets to make jewellery.

10. Bubbles form and a gas is given off when vinegar is added to baking soda.

11. A copper penny becomes dull brown over time and eventually turns to dull light green.

12. Most elements can exist as a solid, a liquid, and a gas, depending on the temperature and pressure.

13. The strong triple bond between the atoms of a nitrogen molecule is the reason why nitrogen gas is unreactive.
