

Science Review. Use your vocabulary list to complete the following.

1. _____ is the smallest part of an element.
2. _____ is made up of 2 or more elements that makes a new substance.
3. _____ is the element that makes up graphite and diamonds.
4. _____ is the amount of space an object takes up.
5. _____ is the amount of matter in a solid, liquid or gas.
6. _____ is the measure of how fast the particles in an object are moving.
7. _____ is measured with a balance.
8. _____ is measured with a thermometer.
9. _____ is measured with a graduated cylinder.
10. _____ is a mixture in which substances are spread out evenly and will not settle.
11. _____ is different materials that can be separated.
12. _____ does not change to a different kind of matter.
13. _____ will change to a different kind of matter.

True or False

- _____ All atoms have the same number of protons.
- _____ Metals and nonmetals are both good conductors.
- _____ There are three states of matter: solid, liquid and gas.
- _____ Dew forming on grass is an example of condensation.
- _____ All mixtures are solutions.
- _____ Rust is a chemical change.
- _____ Tomato rotting is a physical change.
- _____ Peeling an orange is a physical change.
- _____ Burning a log is a chemical change.

Answer solid, liquid or gas for each.

- _____ Atoms are close together.
- _____ Atoms are far apart.
- Has a defined shape and volume.
- _____ Has no definite shape or volume.
- _____ Has a definite volume but no definite shape.