

Name:
Date:

Physical & Chemical Changes Worksheet-Answers

Identify which of the following are physical changes (P) and which are chemical changes (C). **Include a reason** for each of your answers.

CHANGE	P or C	REASON
1. Rusting iron	C	New substance is formed
2. Toasting bread	P	No new substance is formed. Burnt toast would be chemical. The Black stuff is a new substance
3. Evaporating water	P	No new substance is formed
4. Burning a candle	P & C	No new substance is formed with the wax but the burnt wick is chemical
5. Frost on a car window	P	No new substance is formed. It is frozen water vapor
6. Turning a light bulb on	C	New substance is formed
7. Boiling water	P	No new substance is formed (just water vapour)
8. Formation of clouds	P	No new substance is formed (just water vapour)
9. Baking a cake	C	New substance is formed CO ₂ gas is created causing cake to rise
10. Breaking a stick	P	No new substance is formed. Now you have 2 pieces of stick
11. Wax melting	P	No new substance is formed
12. Frying an egg	P	No new substance is formed
13. A bomb exploding	C	New substance is formed. Lots of chemical reaction occurring
14. Sulphur burning	C	New substance is formed
15. Sugar dissolving	P	No new substance is formed. Just dissolved sugar molecules and water
16. Jello setting	P	No new substance is formed