

Science 9-Chemistry

Worksheet 2-1Some Common Chemical Reactions

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Name _____
Due Date _____
Show Me <input type="checkbox"/> Hand In <input type="checkbox"/>
Correct and Hand In Again By _____

Read pages 28-30 in the Science 9 Probe Textbook and answer the following questions:

- Describe three chemical reactions that could have happened around you between the time you got up this morning and this science class.
 - _____
 - _____
 - _____
- The glucose (and other materials) in your food reacts with _____ from the air and this provides you with energy.
- What is meant by **corrosion**? _____

- Name some things for which **corrosion** is a problem. _____

- Why is corrosion a big problem for ships in the ocean? _____

- Since **oxygen** from the air helps to corrode metals, the surfaces are often _____
_____ to protect the metal from the air.

7. Explain how **attaching a reactive metal** to the side of a ship or boat protects the metal the ship or boat is made of.
8. Name two **reactive metals** that are sometimes attached to ships and boats.
_____ and _____
9. What causes a piece of aluminum to turn dull after being in the air for awhile? _____

10. Explain why aluminum devices like shovels, ladders, snowshoes and outdoor furniture **do not corrode** or rust like iron (steel) objects.
11. Define **combustion**.

Is combustion a **chemical reaction**? _____
How do you know?

12. Name as many materials as you can that will undergo **combustion**.
13. Give some examples of situations where we might want to **speed up** combustion reactions.
14. Give some examples of situations where we might want to **slow down** combustion reactions.
15. Air is about _____% oxygen. What happens to the rate of combustion in pure oxygen? _____
Is oxygen flammable? _____ Does oxygen support combustion? _____