

Name _____ Date Due _____

Homework 1 – Equations.

1. Write and symbol word equation for each of these.
Use a separate sheet if you need more space!

“Cars are fitted with catalytic convertors that convert harmful gases to carbon dioxide and nitrogen. Carbon monoxide reacts with nitrogen dioxide on the catalyst surface. “

Word:

Symbol

Plants are able to make glucose ($C_6H_{12}O_6$) from carbon dioxide gas in a reaction called photosynthesis. The other reactant is water, taken in through the roots. Oxygen gas is also formed in the process. Energy from the Sun is required for the reaction.

Word:

Symbol

2. Write and symbol word equation for each of these.
Use a separate sheet if you need more space!

“Magnesium burns in carbon dioxide gas. A black solid (carbon) and a white powder (magnesium oxide) are formed. “

Word:

Symbol

“In a car engine, petrol (C_8H_{18}) reacts with the oxygen of the air. Carbon dioxide and water are released into the air from the car exhaust system.”

Word:

Symbol