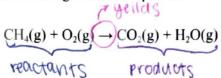
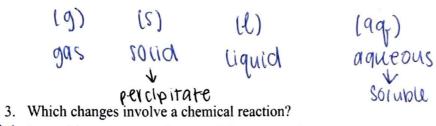
Chemical Reactions Worksheet

Combustion Reaction- hydrocarbon and oxygen react to form carbon dioxide and water. Oxidation-Reduction Reaction (REDOX)- electrons are transferred from one substance to another

1. Identify each part of the following chemical equation



2. Identify the abbreviations indicating the states of the reactants and products in chemical equations



- X. Ice melting upon warming prase change
- An electric current passing through water, resulting in the formation of hydrogen and oxygen gas that appears as bubbles rising in the water boiling water
- @ Iron rusting oxidation water + air + metal
- Bubbles forming when a soda can is opened (21208 of pressure
- 4. What are the clues that a chemical reaction has occurred?

* 2) Percipitate formation

3) emission of light

* 4) tormation of gas lodor

(exo (endo)

5.	In photosynthesis, plants make the sugar glucose, $C_6H_{12}O_6$, from carbon dioxide and water. The equation for the reaction is:
	$6CO_2 + 6H_2O \rightarrow C_6H_{12}O_6 + xO_2$
	In order for this equation to be balanced, the coefficient x must be $\begin{array}{cccccccccccccccccccccccccccccccccccc$
6.	Write a balanced chemical equation for the reaction between solid silicon dioxide and solid carbon to produce solid silicon monocarbide and carbon monoxide gas.
	$\begin{array}{c} -\sin 2(S) + 3 - \cos 3 - \cos 3 + 2\cos 3 + 2\cos 3 - \cos 3 - \cos$
7.	Outline each type of chemical reaction and give a skeletal example of each:
	single replacement A+BC -> B+AC
	DOUNCE REPLACEMENT AB + CD -> AD + CB
	synthesis A+B -> AB
	occomposition AB -> A4B
8.	Balance the chemical equation. $2=(2) 1 - FC - 1(2) = 2$
	Fe(s) + HCl(aq) \rightarrow FeCl ₃ (aq) + H ₂ (g) \Rightarrow
9.	Is each compound soluble or insoluble? (AgB)r CaCl ₂ Pb(NO ₃) ₂ PbSO ₄ Silver Browide Leadell) Nitrate Not soluble Construe Claberda Lead (11) Sulfate
	soluble not soluble

soluble