


I'm not robot  reCAPTCHA

Continue

CHEMICAL FORMULAR WORKSHEETS

Write the names of compounds and number of atoms in each of the following; number one has been done for you.

1. MgO magnesium oxide; it contains one atom of magnesium and one atom of oxygen.....
2. SiO_2
.....
3. $CuCl_2$
.....
4. NO_2
.....
5. $ZnSO_4$
.....
6. $Cu(OH)_2$
.....
7. $NaCl$
.....
8. $Fe(OH)_3$
.....
9. HCl
.....

Name _____

Chemistry Worksheet
Naming & Formula Writing (Ionic)

Instructions: Write the formulas &/or the names for the compounds listed below

- | | | | |
|-------------------------|-------|--------------------------|-------|
| 1. Sodium nitrate | _____ | 26. Aluminum chloride | _____ |
| 2. Calcium carbonate | _____ | 27. Iron (III) hydroxide | _____ |
| 3. Magnesium oxide | _____ | 28. Sodium acetate | _____ |
| 4. Ammonium sulfide | _____ | 29. calcium hydroxide | _____ |
| 5. Lead (II) sulfate | _____ | 30. sodium iodate | _____ |
| 6. Sodium cyanide | _____ | 31. Nickel (II) nitrate | _____ |
| 7. Potassium hydroxide | _____ | 32. Iron (II) chloride | _____ |
| 8. Silver chloride | _____ | 33. Magnesium bromide | _____ |
| 9. Iron (III) hydroxide | _____ | 34. Ammonium nitrate | _____ |
| 10. Potassium hydroxide | _____ | 35. Silver bromide | _____ |

CHEMISTRY WORKSHEET

Writing Chemical Equations

Name: _____

Write a balanced equation for each of the following:

1. Dinitrogen pentoxide gas in the presence of a platinum catalyst and high enough temperature forms nitrogen gas and oxygen gas.

2. Sulfur solid reacts with iron solid to form solid iron(II) sulfide.

3. Hydrogen gas and iron(III) oxide powder react to form liquid water and solid iron powder.

4. Magnesium metal reacts with hydrochloric acid to form magnesium chloride solution and hydrogen gas.

5. Magnesium sulfide solid and hydrochloric acid react to form hydrogen sulfide gas and magnesium chloride solution.

6. Oxygen gas reacts with solid copper metal to form copper(II) oxide solid.

7. Voltage is applied to two electrodes in a solution of iron(III) chloride and a yellow-green gas bubbles form on one electrode and metallic deposits form on the other electrode.

8. Oxygen gas reacts with hydrogen gas to form liquid water.

9. Hydrogen sulfide gas is bubbled through a sodium hydroxide solution to produce sodium sulfide solution and liquid water.

10. Hydrogen gas and aluminum chloride solution are produced when solid aluminum is reacted with hydrobromic acid.

Extra Credit

11. Hydrogen sulfide gas is bubbled through a solution of iron(III) chloride.

12. When strongly heated, magnesium sulfide formed a yellow crystalline deposit on the walls of a sealed reaction vessel. Metallic deposits were found on the bottom of the container.

Home

LAW OF CONSERVATION OF MASS

Ways of writing chemical reactions:

1. Word equation:

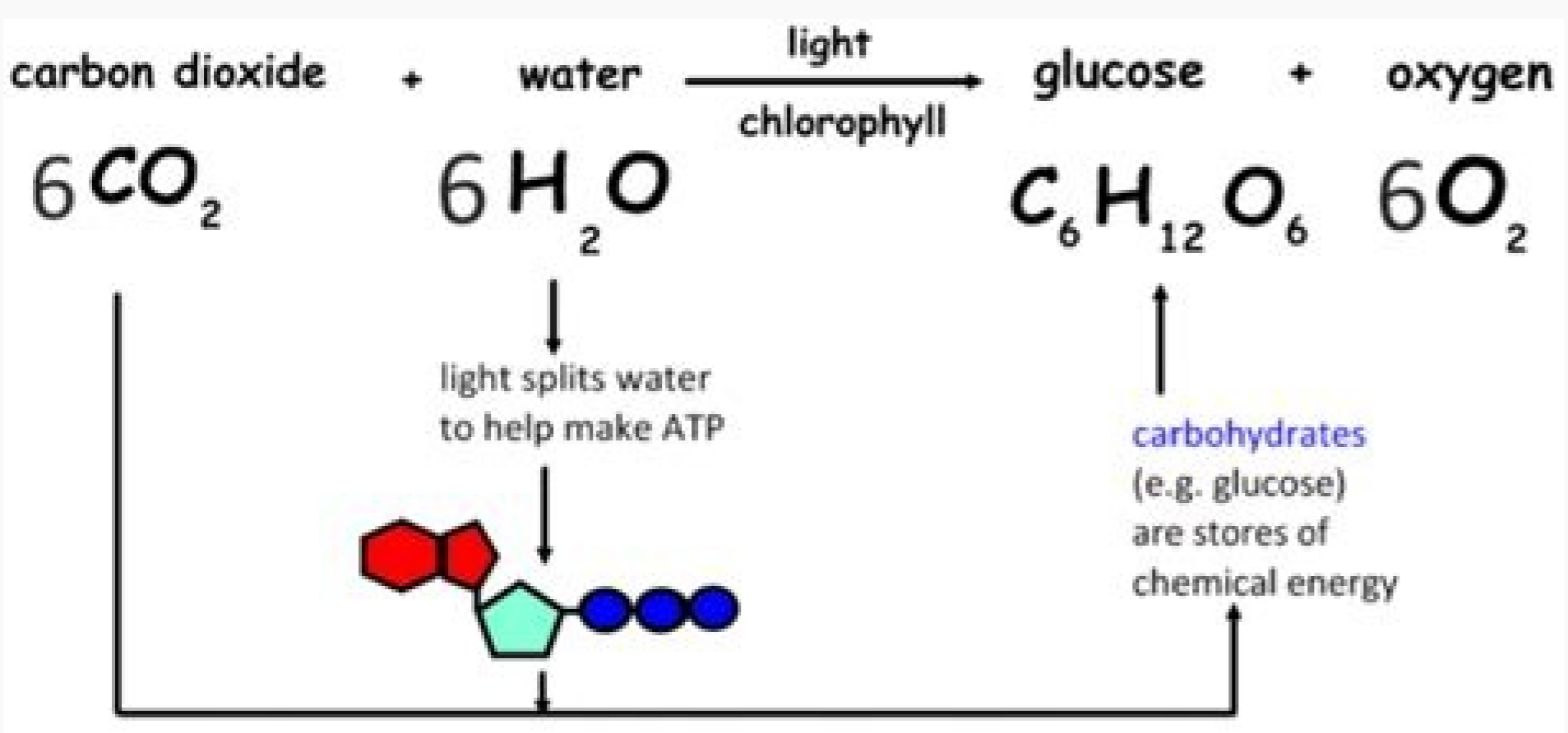
Sodium + chlorine gas → sodium chloride

2. Sentence:

Sodium and chlorine gas yield sodium chloride

3. Chemical/skeleton equation:

$2\text{Na}_{(s)} + \text{Cl}_{2(g)} \rightarrow 2\text{NaCl}_{(s)}$



Chemical equations worksheet with answers. Word equations for chemical reactions worksheet. Word equation to chemical equation examples.

ERROR|ERROR|ERROR|ERROR|ERROR|ERROR|ERROR|ERROR|ERROR|ERROR|ERROR|ERROR|ERROR|