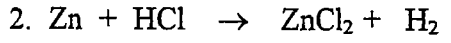
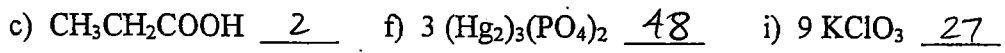
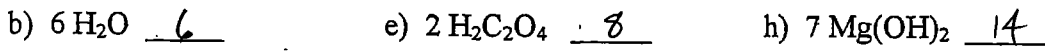


SCIENCE 10 HONOURS

Name: _____

BALANCING CHEMICAL EQUATIONS

1. How many oxygen atoms are there in each of the following?



What are the products of this reaction? Zinc Chloride and Hydrogen gas

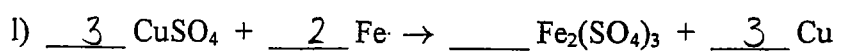
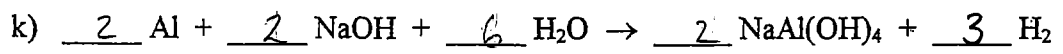
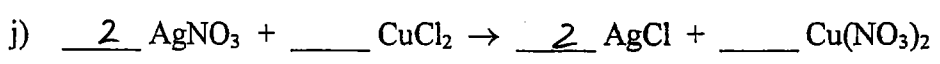
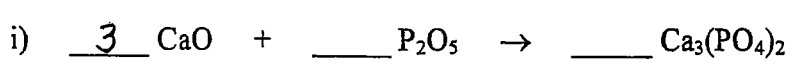
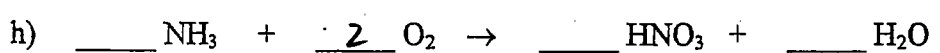
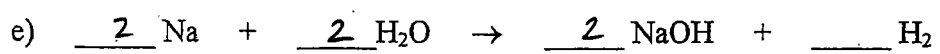
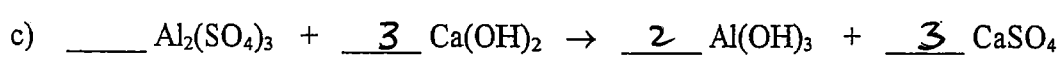
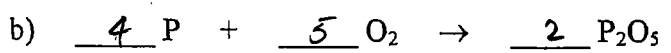
What are the reactants? Zinc metal and Hydrochloric acid

Is the equation balanced? No

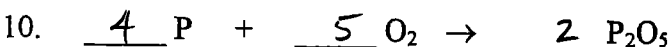
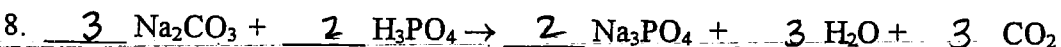
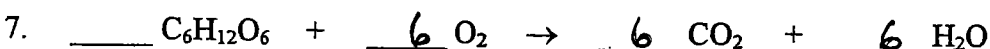
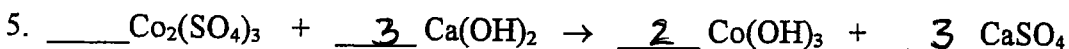
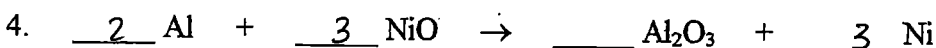
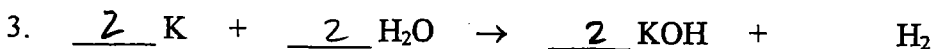
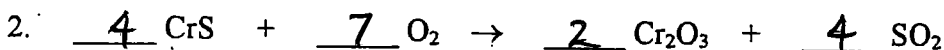
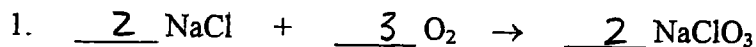
How many chlorine atoms actually take part in the reaction? Two

3. Can you change the subscripts (small, lower numbers) in the formulas when balancing a chemical equation? No!

4. Balance these expressions to make true chemical equations.

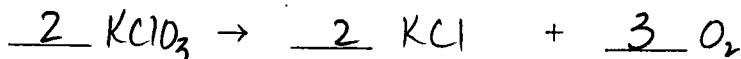


BALANCE THE FOLLOWING EQUATIONS

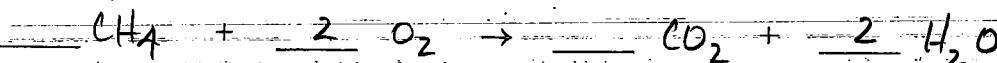


WRITE OUT BALANCED EQUATIONS FOR THE FOLLOWING

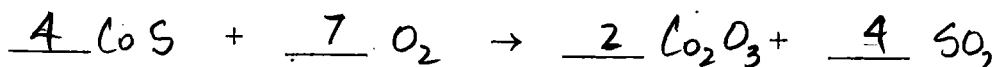
1. potassium chlorate yields potassium chloride plus oxygen



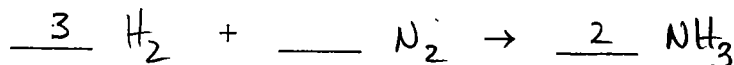
2. methane plus oxygen yields carbon dioxide plus water



3. cobalt (II) sulphide plus oxygen yields cobalt (III) oxide plus sulphur dioxide



4. hydrogen plus nitrogen yields ammonia



5. silver sulphate plus copper yields copper (II) sulphate plus silver

