



DOON PUBLIC SCHOOL

(C.B.S.E. Affiliation No. 1030502)

Class 10 (2021-22)

Chemistry

Chapter 1

Worksheet -1

Topic - chemical reactions & equations

Holiday homework

Question 1.

Which of following is not a physical change ?

- (A) Boiling of water to give water vapour
- (B) melting of ice to give water
- (C) dissolution of salt in water
- (D) combustion of LPG

Question 2.

Which method is used to balance chemical equations ?

Question 3.

(i) carbon burns in air to form carbon dioxide

(ii) A piece of sodium metal on putting in water forms caustic soda & hydrogen gas .

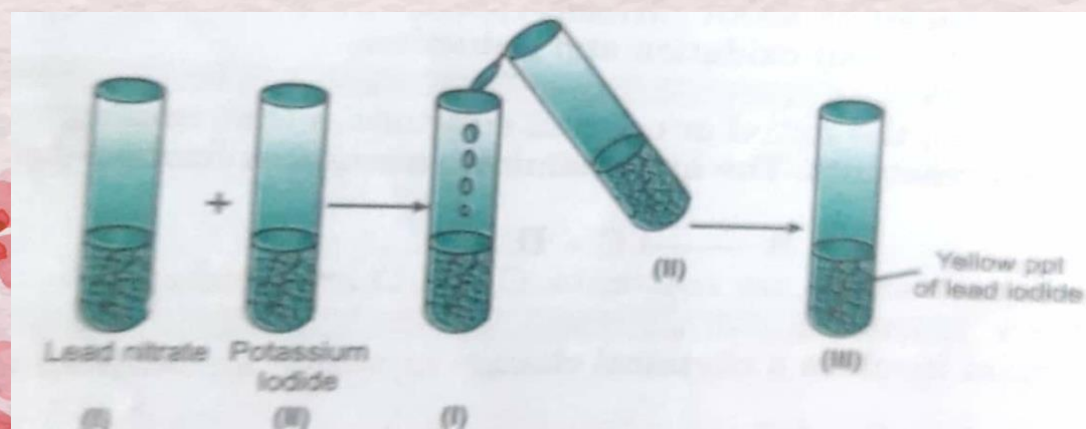
(iii) calcium hydroxide react with carbon dioxide to form calcium carbonate & water .

(iv) aluminium react with copper chloride to form aluminium chloride & copper .

Question 8.

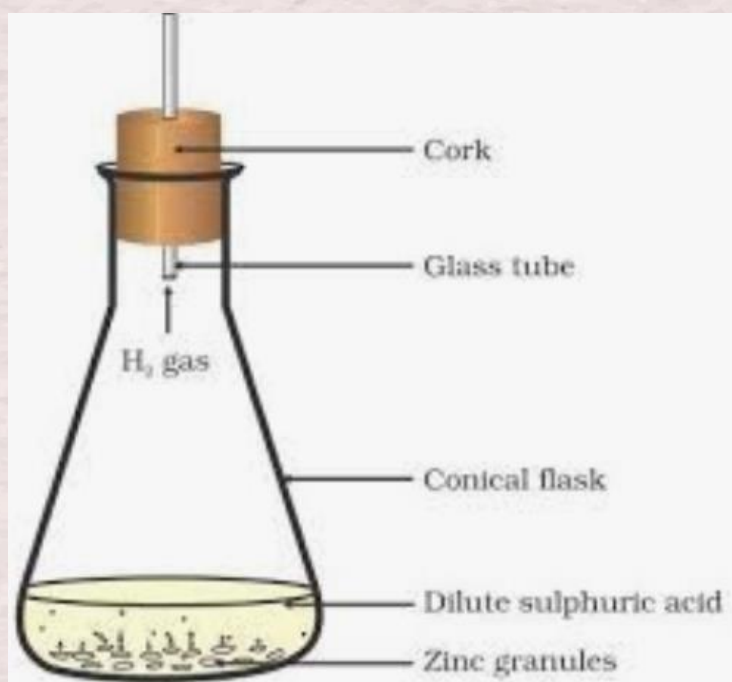
State the observation for following statements -

When potassium iodide solution is added to lead nitrate solution .



Question 9.

Read activity 1.3 & write the observation with appropriate reaction .

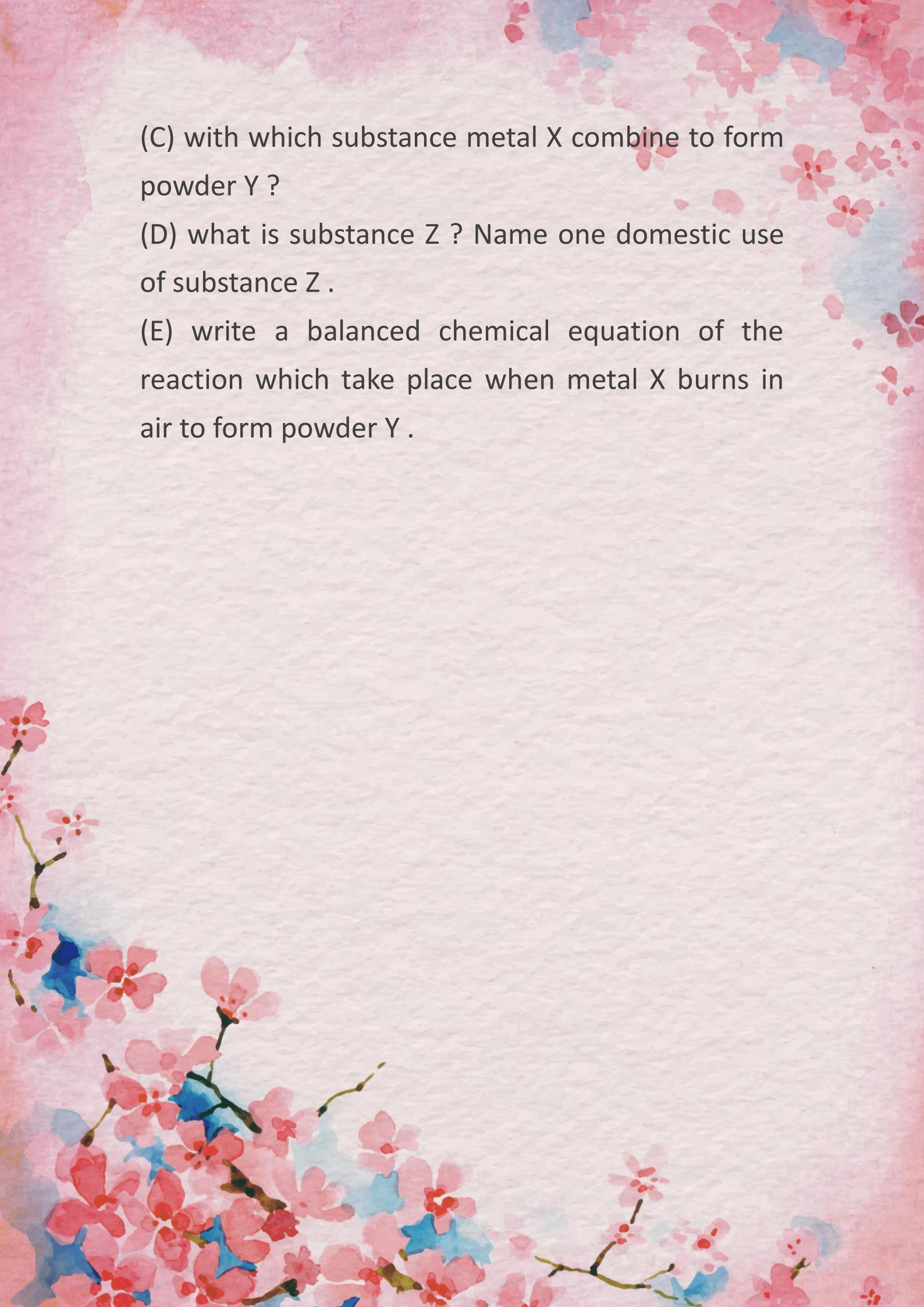


Question 10.

A silvery white metal X taken in the form of ribbon when ignited , burns in air with a dazzling white flame to form a white powder Y. When water is added to powder Y , it dissolves partially to form another substance Z .

(A) what could metal X be ?

(B) What is powder Y ?



(C) with which substance metal X combine to form powder Y ?

(D) what is substance Z ? Name one domestic use of substance Z .

(E) write a balanced chemical equation of the reaction which take place when metal X burns in air to form powder Y .