

Y13 Applied Technology Worksheet # 2

Instruction: Please do attempt this at the back of your exercise book.

QUESTION 2 ENGINEERING MATERIALS

(10 marks)

(a) Distinguish between **electro-positivity** and **electro-negativity**.

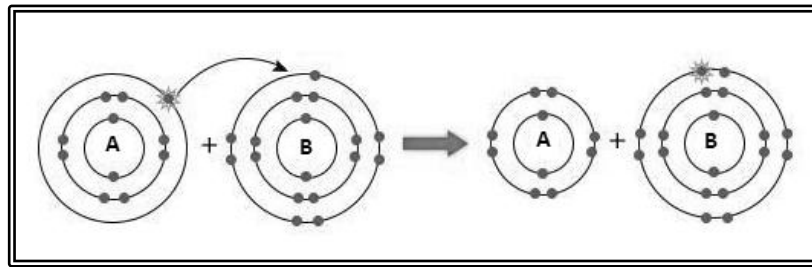
(2 marks)

(b) Define the following terms:

- (i) Toughness
- (ii) Kiln seasoning

(2 marks)

(c) Thoroughly study the diagram given below and answer the following questions.



Source: *Year 13 Applied Technology*, Ministry of Education, 2017.

- (i) Identify the primary bond that has occurred between the two atoms.
- (ii) Explain the process that is taking place during the bonding.

(1 mark)
(2 marks)

(d) Differentiate between **angiosperms** and **gymnosperms**.

(2 marks)

(e) Identify the test shown below.

(1 mark)

