

Vauxhall High School
Industrial Techniques
Grade 8
Worksheet

Instruction: Read each question and place a circle beside the best answer.

1. Technology may be defined as
 - a. The application of scientific principles to the production of goods and services
 - b. The application of renewable resources to woodwork industry
 - c. Technology that does not involve mechanical or electrical parts

2. Three examples of simple technology are.....
 - a. Car, Spoon, Pick Axe
 - b. Bulldozer, Broom, Machete
 - c. Spoon, Machete, Pick Axe

3. Two types of hardwoods are
 - a. Blue Mahoe and Parana Pine
 - b. Parana Pine and Spruce
 - c. Oak and Red Cedar

4. A tree grows
 - a. Vertically Mostly

- b. Outward Mostly
 - c. At the roots only
5. The bark of a tree
- a. Keeps the sap within the tree
 - b. Is where the growth of the tree takes place
 - c. Carries food up and down the tree
6. The bast is where
- a. The growth of the tree takes place.
 - b. The plant food travels.
 - c. The “livewood” is located.
7. The growth of a tree takes place
- a. In the cambium layer
 - b. In the medullary rays
 - c. At the roots only
8. The heartwood is
- a. The live part of a tree
 - b. The dead part of a tree
 - c. The part of the tree that feeds the tree

9. Which part of a tree is responsible for the formation of 'figure' in oak?

- a. Medullary Rays
- b. Sapwood
- c. Annual Rings

10. Timber trees are placed in two categories

- a. Softwood and Hardwood
- b. Coniferous and Deciduous
- c. Timber and Logs

Extended Response

1. Draw the cross-section of a tree and label six parts.

2. Draw a simple technology along with its advance technology.

3. List three (3) types of materials.

4. Explain any two (2) types of materials listed in question 3 above.

5. Define the term “layout tools”.

6. List at least 4 different types of layout tools.

7. Neatly sketch and label any two layout tools listed in question 6 above.