

**PENANG SANGAM HIGH SCHOOL  
P.O.BOX 44, RAKIRAKI  
LESSON NOTES-8**

**School: PENANG SANGAM HIGH**

**Year/Level: 11C/D**

**Subject: APPLIED TECHNOLOGY**

<b>Strand</b>	AT 11.4. BASIC HOME IMPROVEMENT
<b>Sub Strand</b>	AT 4.1. General Trade Skills
<b>Content Learning Outcome</b>	AT11.4.1.1 Demonstrate knowledge and develop basic practical skills in water plumbers and electrical system.

**TYPES OF MATERIALS USED FOR PLUBING**

- Plastic.
- Copper tubing.
- Malleable Iron Pipe.
- Caste Iron soil pipe.
- Vitriified Clay Pipe.

**TOOLS USED IN BASIC PLUBING**

- Pipe Wrench.
- Screw and Nut Drivers.
- Hacksaw.
- Adjustable Spanner.
- Pliers.

**ELETCRICITY**

Electricity is used to power many of the things that we use every day such as television, computers etc.

All the matter is made up of atoms. The three main particles making up an atom are the proton, neutron and electron.

Electron contains negative charge.

Proton contains positive charge.

Neutron- are neutral, they have neither a positive nor a negative charge.

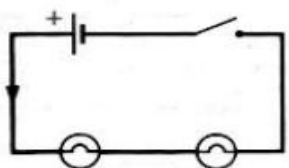
**Series circuit**

Is an electrical circuit connected so that current passes through each current element in turn without branching.

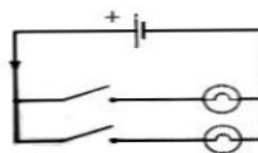
**Parallel circuit**

Is a closed circuit in which the current divides into two or more paths before recombining to complete the circuit.

Series circuit



Parallel circuit



**SHORT ANSWER QUESTIONS**

1. Define the term electricity?

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2. Name the three main particles which make up an atom?

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3. Name two tools used in basic plumbing system.

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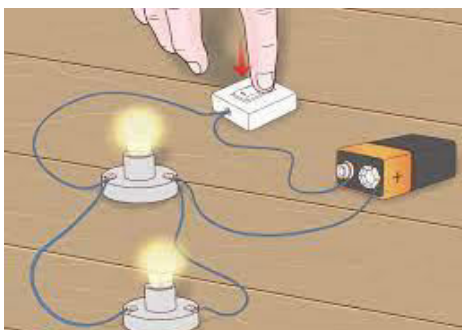
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4. Name three materials used in plumbing system.

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5. The diagram below shows which type of circuit.



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**THE END**