**Electrical Conductivity – class activity**

This is a good summative tool at the end of the bonding chapters.

Set students the following question for homework-

Q. Which of the following will conduct and why?

|  |  |  |  |
| --- | --- | --- | --- |
| Substance | Type of bonding | Will it conduct and why? | Result of testing |
| Copper |  |  |  |
| Ethanol |  |  |  |
| Copper sulfate solution |  |  |  |
| Water |  |  |  |
| Potassium hydrogen phosphate (molten) |  |  |  |
| Copper sulfate crystal |  |  |  |
| Plastic |  |  |  |

Test each of these using a simple circuit with a light globe and a sensitive galvanometer. The galvanometer will detect the slight conductivity of water.

Complete the fourth column of the table