Name: Year 8 Chemistry

**Density Practical Test**

/10

**Part A**

You will be given two irregularly shaped objects and you will need to calculate the density of each. Show your working in the spaces below and make sure you include the correct units. (6)

|  |  |
| --- | --- |
| **Object A** | **Object B** |
| Volume | Volume |
| Mass | Mass |
| Density | Density |

**Part B**

A strip of metal has the following dimensions:

(Note that you need to convert all measurements to cm before you begin):

Length 125mm Height 2mm Width 12mm

The strip has a mass of 34g.

1. Calculate the density of the metal in the space below. Show your working (3)
2. The table shows the density of some common metals. Use the table to work out the type of metal used to make the strip in the question above. (1)

|  |  |
| --- | --- |
| **Metal** | **g/cm3** |
| Aluminium | 2.7 |
| Zinc | 7.13 |
| Iron | 7.87 |
| Copper | 8.96 |
| Silver | 10.49 |
| Lead | 11.33 |
| Mercury | 13.55 |
| Gold | 19.32 |