**Bonding and Periodicity – Homework 2**

**1.**

 (a) Describe the bonding that is present in metals.

..........................................................................................................................

..........................................................................................................................

..........................................................................................................................

..........................................................................................................................

(3)

(b) Explain how the bonding and structure lead to the typical metallic properties of electrical conductivity and malleability.

*Electrical conductivity* .....................................................................................

..........................................................................................................................

..........................................................................................................................

*Malleability*.......................................................................................................

..........................................................................................................................

..........................................................................................................................

(4)

(c) Suggest a reason why aluminium is a better conductor of electricity than magnesium.

..........................................................................................................................

..........................................................................................................................

..........................................................................................................................

(2)

 (Total 9 marks)

**........... Out of 9 (Grade )**