1. Animals are different.
   a) Write the letter of:
      i. an insect  _______________  ii. a vertebrate  _______________
      (2 marks)

   b. A plant needs three basic things to grow. Tick (✓) these three basic things.
      water  [ ]  heat  [ ]  cold  [ ]  oxygen  [ ]  sunlight  [ ]
      (3 marks)
2. Habitats rarely stay the same.
Sometimes the actions of people can change habitats.
a) List two ways how people can cause changes to a habitat.
i. _____________________________________________________________
ii. _____________________________________________________________
(2 marks)
b) The picture below shows a tiger. The tiger is an endangered species.
List two reasons which may lead to the extinct of species.

   i. _____________________________________________________________
   ii. _____________________________________________________________
(2 marks)

3. What am I? Match each sentence in Column A to the correct word in Column B.
   The first one is done as an example.

<table>
<thead>
<tr>
<th>Column A</th>
<th>Column B</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. I can have different shapes.</td>
<td>Neptune</td>
</tr>
<tr>
<td>b. I take 88 days to orbit the sun.</td>
<td>iron</td>
</tr>
<tr>
<td>c. I am attracted to magnets.</td>
<td>sound</td>
</tr>
<tr>
<td>d. I store energy.</td>
<td>a. magnet</td>
</tr>
<tr>
<td>e. I travel through vibrations.</td>
<td>Mercury</td>
</tr>
<tr>
<td>f. I change electrical energy into movement.</td>
<td>motor</td>
</tr>
<tr>
<td>g. I take the longest time to orbit the sun.</td>
<td>battery</td>
</tr>
</tbody>
</table>
(6 marks)
4. The table below shows six objects made from different materials.

<table>
<thead>
<tr>
<th>Object</th>
<th>lamp post</th>
<th>window</th>
<th>watering can</th>
<th>plant pot</th>
<th>statue</th>
<th>wall</th>
</tr>
</thead>
<tbody>
<tr>
<td>Material</td>
<td>iron</td>
<td>aluminium</td>
<td>steel</td>
<td>plastic</td>
<td>marble</td>
<td>stone</td>
</tr>
</tbody>
</table>

a) From the table, list two materials which are made of rock.
   i. ____________________________ ii. ____________________________  
   (2 marks)

b) From the table, list two materials which are attracted to a magnet.
   i. ____________________________ ii. ____________________________  
   (2 marks)

c) The watering can is made of steel.
   i. Tick (✔) another suitable material for a watering can.
   □ wood          □ plastic          □ cardboard  
   (1 mark)
   ii. Give a reason for your choice.
   ____________________________________________________________________________  
   ____________________________________________________________________________  
   (2 marks)
5. We can see our reflection in a mirror.

a) Tick (✓) two surfaces that show reflections of objects.

- water  
- paper  
- air  
- metal  

(2 marks)

b) The picture below shows a periscope used on a submarine. The sailor uses the periscope to observe what is happening above sea level.

i. Explain why mirrors are used in periscopes.

__________________________________________
__________________________________________
__________________________________________

(2 mark)

ii. Draw arrows on the diagram below to show how light travels.

(2 marks)

c) Give another example of how mirrors can be used to see things that cannot be seen directly.

_____________________________________________________________
_____________________________________________________________

(2 marks)