1. Look at the food plate and complete the table on the right.
   a) Match the different food items to A, B, C, D or E.
      An example has been done for you.

   b) Explain why it is important to keep a balanced diet.
      ____________________________________________________________
      ____________________________________________________________  (2 marks)
2. 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 give humans energy.</td>
<td>sun</td>
</tr>
<tr>
<td>b. I slow down a falling object.</td>
<td>gravity</td>
</tr>
<tr>
<td>c. I break a circuit.</td>
<td>moon</td>
</tr>
<tr>
<td>d. I magnify images of objects.</td>
<td>a. food</td>
</tr>
<tr>
<td>e. I give plants energy.</td>
<td>lens</td>
</tr>
<tr>
<td>f. I appear to have different shapes.</td>
<td>air resistance</td>
</tr>
<tr>
<td>g. I pull objects to the ground.</td>
<td>switch</td>
</tr>
</tbody>
</table>

(6 marks)

3. Some materials can occur naturally and others are man-made.

a) Look at the pictures below and write the name of the material produced by each.

- tree
- lamb
- quarry

(3 marks)

b) List three man-made materials.

i. ___________________________
ii. ___________________________
iii. ___________________________

(3 marks)
4. The bar chart below shows the monthly rainfall over a whole year.

![Bar chart showing monthly rainfall for Year 2017]

- a) Which month has the **highest** rainfall? __________________ (1 mark)
- b) Fill in the missing amount of rainfall for the month of December in the bar chart above. (1 mark)
- c) Calculate the difference in rainfall between October and August. ____ (2 marks)
- d) Tick (✓) the weather instrument which measures rainfall.

  ![Weather instruments]

  (1 mark)

- e) Explain the problems farmers might face during the month of August.

  _________________________________________________________________ (2 marks)
5. Materials can absorb or reflect sound.

Look at the picture below. Two children are on either side of a wall.

a) Tick (✓) the best material that can be used to reflect the sound of the girl’s voice.

- [ ] plastic
- [ ] paper
- [ ] metal

(1 mark)

b) John is doing an experiment to investigate how to reduce the sound made by an alarm clock. He puts the alarm clock in a box and wraps some material around it.

i. Tick (✓) the best material that can be used to reduce the sound of the alarm clock.

- [ ] cotton wool
- [ ] cardboard
- [ ] foil

(1 mark)

ii. What should John do to make the experiment a fair test?

________________________________________________________________________

________________________________________________________________________

(2 marks)

END OF PAPER