



# Year 7 Homework

## Spring Term 2

### Human Digestion

#### Task:

#### **The Journey of a Cheese Sandwich:**

You must explain the journey that a cheese sandwich makes through your digestive system. You should:

Describe what happens in each organ of the digestive system.

Consider which food groups are in a cheese sandwich.

Use scientific ideas of cells and particles if you can.

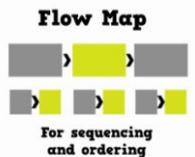


**FLEXIBLE THINKING**

In this project, you should **research** and then **model** the **journey of the cheese sandwich** in a way that suits you.

Your research should involve the internet, books, magazines, etc. Use the thinking hats, particularly white, yellow and black hats, to help target your research.

When you have done your research and before you present it its final form, it is important that you plan out how you will do this. This process will be made much easier if you use a flow map to help you.



**COMMUNICATE CLEARLY**

For example, you may wish to make a model in papier mache, wood, or even cake (please check this with your teacher first and get permission!). Alternatively, you may wish to make a video of you pretending to be an scientist reporting on the sandwich's journey. You could present your research in a PowerPoint or as a leaflet, or in a poster. You could use another method that you like, the choice is yours.



**HAVE FUN**

#### Levels:

To get level	You might have...
4	Named the major organs of the digestive system, using key words. Described simply the job of each organ. Named the food groups in the cheese sandwich. Described simply what food is used for in the body.
5	Named most of the organs of the digestive system, using key words. Described what happens to the food in each organ. Named the food groups in the cheese sandwich. Explained why the body needs food.

6	<p>Named all of the organs of the digestive system in order; you may have used alternative scientific names.</p> <p>Shown knowledge of the shape and position of the major organs in the body.</p> <p>Explained what happens to the food in each organ.</p> <p>Described why the body needs each of the food groups.</p> <p>Described simply how enzymes are involved with digestion.</p> <p>Explained how food is digested and absorbed using the particle theory.</p>
7	<p>Described in detail all of the organs of the digestive system, relating structure to the function of the system, organs and cells.</p> <p>Shown knowledge of the shape and position of the major organs in the body.</p> <p>Explained in detail what happens to the food in each organ.</p> <p>Explained why the body needs each of the food groups.</p> <p>Described how enzymes are involved with digestion.</p> <p>Explained how food is digested, absorbed and transported to the cells using the particle theory.</p>

**Key words:**

absorption, anus, carbohydrate, digestion, dissolve, enzyme, fat, gullet, hydrochloric acid, large intestine, liver, mouth, protein, small intestine, stomach, teeth