

**Integrated – Science Form 2 L, D & S**

**Revision Date: 30/03/2020**

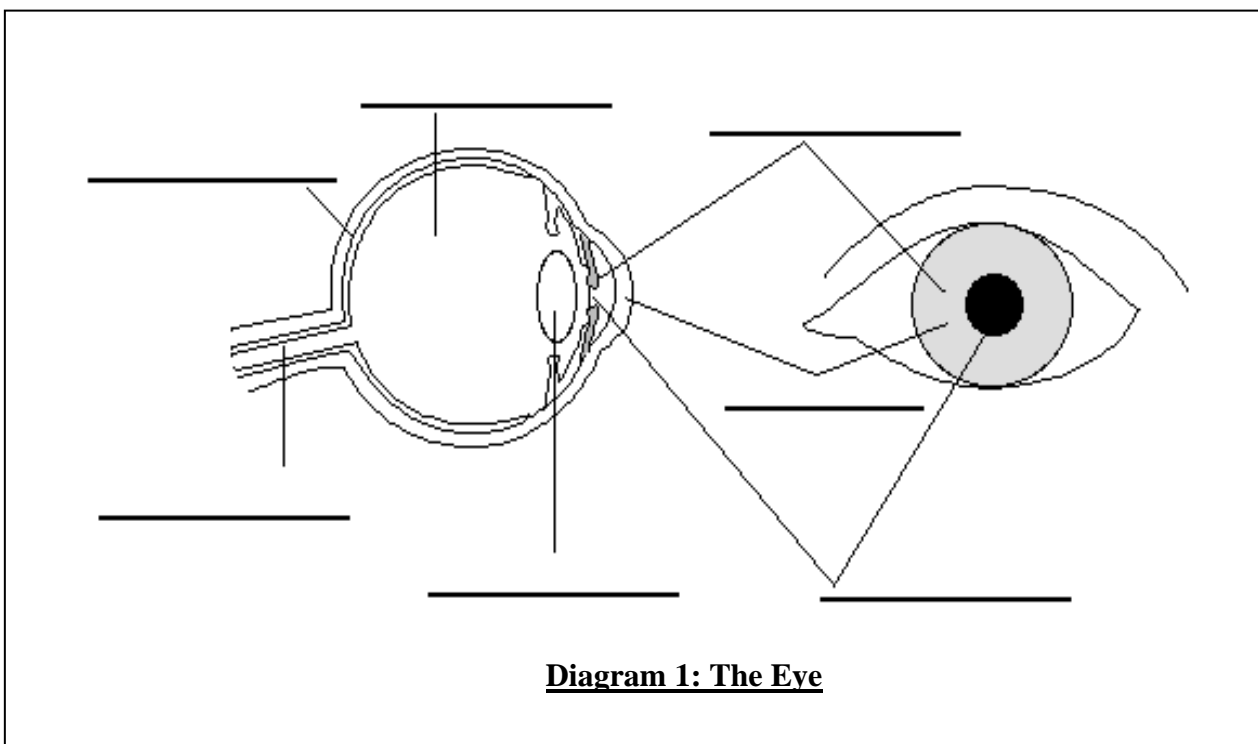
**Week 1**

1. Define the term respiration
2. Complete the table below to show the difference between aerobic and anaerobic respiration

<b>Aerobic Respiration</b>	<b>Anaerobic Respiration</b>
<b>i.</b>	
<b>ii. Products are CO<sub>2</sub> and H<sub>2</sub>O</b>	
<b>iii.</b>	
<b>iv.</b>	<b>Low energy out put</b>

**Table 1: The difference between anaerobic and aerobic respiration**

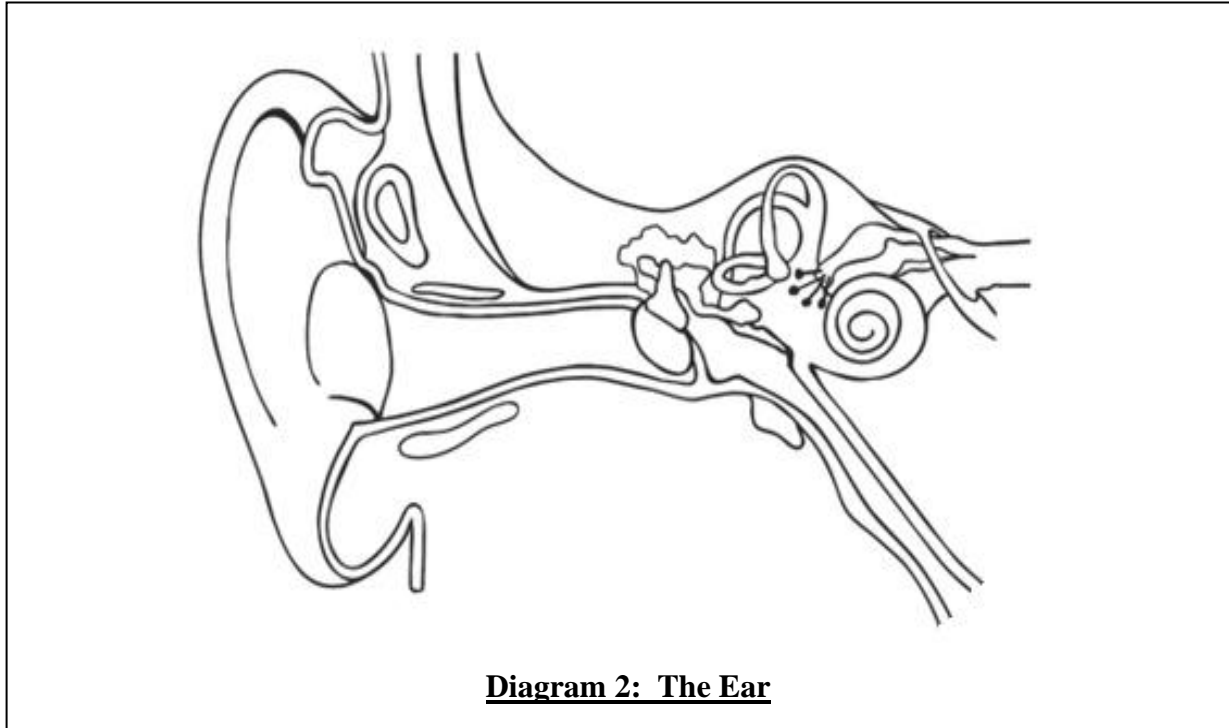
3. a. State the word equation of anaerobic respiration in plants  
b. Identify the reactants and products in the equation stated above.
4. Define the term receptors
5. Complete the diagram below by filling the name of the different parts of the eyes.



6. What is the name of the structure which sends impulses to the brain?
7. Name the receptors of the eyes

**Week 2**

**Using the diagram and table below to complete question 1- 2**



1. Identify the parts of the ear by colouring. Each part of the ear requires a particular colour which is stated below in the table.
2. Identify the function of each part listed in the Table 2

<b>Parts of the ear</b>	<b>Colour</b>	<b>Function</b>
<b>Pinna</b>	<b>Brown</b>	
<b>Eardrum</b>	<b>Green</b>	
<b>Ossicles</b>	<b>Blue</b>	
<b>Eustachian tube</b>	<b>Yellow</b>	
<b>Semi-circular canal</b>	<b>Orange</b>	
<b>Cochlea</b>	<b>Purple</b>	
<b>Auditory Nerves</b>	<b>Red</b>	

**Table 2: Parts of the ear and the function of each**

3. What is the largest sense organ of the human body?
4. The part of the skin which contains the most receptors is\_\_\_\_\_
5. Another name given to the oil gland is the \_\_\_\_\_.
6. Identify the function of the following parts of skin:
  - i. Epidermis
  - ii. Hair erector muscle
  - iii. Sweat glands
  - iv. Sweat ducts

**Week 3**

1. Define the term streamlining
2. State two (2) examples of machines or objects that are streamlining
3. Example why are objects streamlined
4. Explain Newton’s second law of motion with the use of an example.
5. Differentiate between friction and forces

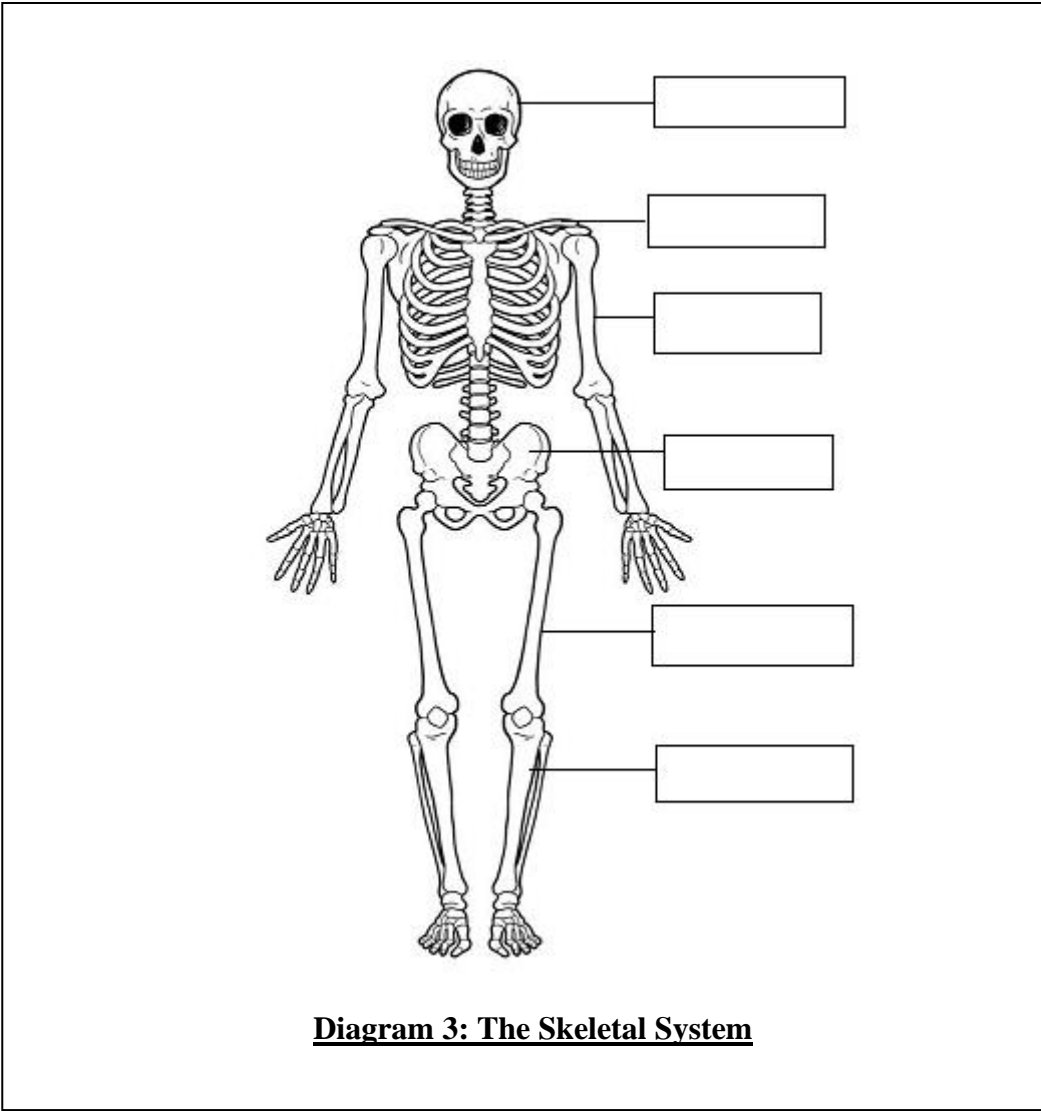
Friction can be reduced and increase in several ways:

6. Using the table below, insert on the table ways friction can be reduced and increased.

Reducing Friction	Increasing Friction

**Table 3: Reducing and Increasing Friction**

7. Explain three functions of the skeletal system.
8. What is the name of the organ our skull/cranium protects
9. Name two important organs that the ribs protect
10. The Knee cap bone is found where the bones of the upper leg and lower leg meet. What is the special name for where bones meet?
11. Label the parts of the skeleton in Diagram 3 below.



**Diagram 3: The Skeletal System**

**END**