

# Science - Year 8 Bioenergetics

**Pre-assessment**  
How do I know that something is 'alive'?

Life processes

Reactants and products of aerobic respiration

**Peer assessment**

How well can I explain what respiration is and why it is important?

Date \_\_\_\_\_

OR

Stick your **teacher assessment** here.

**Teacher assessment**

How well can I explain how organs of a plant are adapted for photosynthesis?

**Knowledge assessment 2**

Date: \_\_\_\_\_  
Score: \_\_\_\_\_ / \_\_\_\_\_

Functions and adaptations of plant structures for photosynthesis

Reactants and products of photosynthesis

Transpiration

Factors affecting the rate of photosynthesis

**Application and skills exam**

Date: \_\_\_\_\_  
Application: \_\_\_\_\_ / \_\_\_\_\_  
Skills: \_\_\_\_\_ / \_\_\_\_\_

Date \_\_\_\_\_

OR

Stick your **self assessment** here.

**Self assessment**

How well can I explain how oxygen is transferred around the body?

Date \_\_\_\_\_

OR

Stick your **peer assessment** here.

Gas exchange in the lungs

The circulatory system

**Knowledge assessment 1**

Date: \_\_\_\_\_  
Score: \_\_\_\_\_ / \_\_\_\_\_

The effect of exercise, and anaerobic respiration.