Biology

Photosynthesis

- Green plants and enjoy make their own food it is called photosynthesis
- they use sunlight to join carbon dioxide with hydrogen to make glucose
- Glucose is used to make bigger molecules like carbohydrates and protein Which is present in fruits
- animals eat plants and get energy from these molecule

Equation

Sunlight + Water + Carbon dioxide = Oxygen + Glucose

- Photosynthesis needs energy from the sunlight

Where does photosynthesis happen ?

- It happens inside chloroplast in plant cells

Investigating photosynthesis

- We can see bubbles of gas from a pond plant called cabomba
- This show photosynthesis is happening
- We can get test how light or temperature affect the photosynthesis

Factors affecting photosynthesis

- **Best temperature is 30 degree Celsius**
- **Above 45 degree Celsius enzymes stopped working**
- **Carbon dioxide, if there is more carbon dioxide so there will be Faster photo synthesis**
- **but rates stops if light or temperature is too low**
- **If there is more light so there will be faster photosynthesis but rate stops If temperature or Carbon dioxide is too low**
- **Light intensity can be changed by moving the lamp**

formula

Relative light intensity = 1 / distance square

If the distance is 10, 20 and 30 cm the relative light will be

Answer

1 , 0.25, 0.111