

Christmas Test 2013

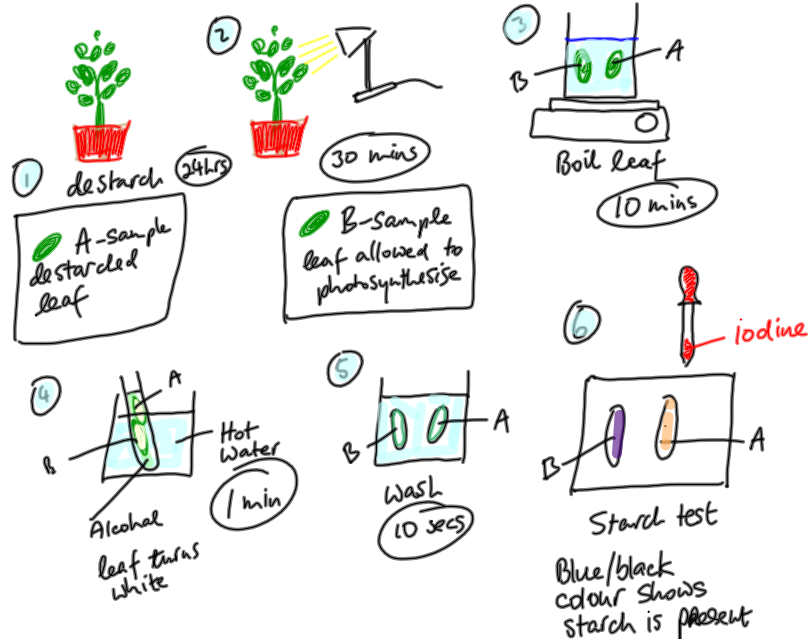
Biology - 12, 13, 16
 - all definitions

Physics - 42, 43

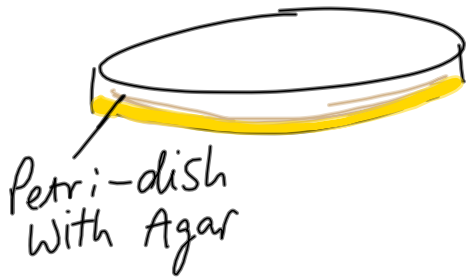
Chemistry - 21, 22, 23, 25, 26, 30

Biology Experiments

- OB49 starch made by photosynthesis
- OB65 microorganisms in soil & air



Micro-organisms

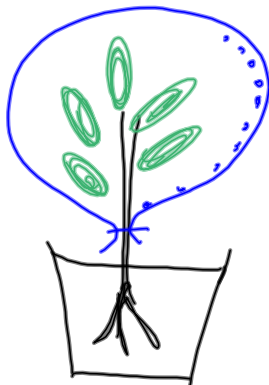


- 3 samples
- 1 - Air
 - 2 - Soil
 - 3 - closed

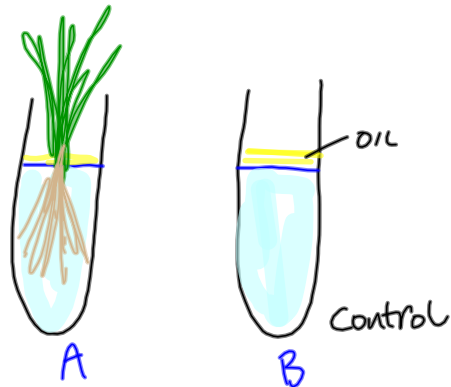
- Put lid on
- Seal with para-film
- put in incubator - 30°C for 2-4 days
- observe
- dispose of carefully - disinfect

Examples of non-mandatory experiments

Transpiration



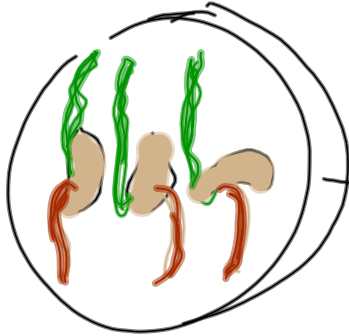
OR



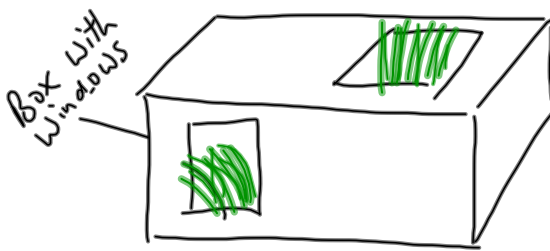
Blue cobalt chloride paper turns pink

Geo-tropism

- Plants response to gravity



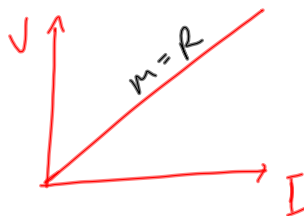
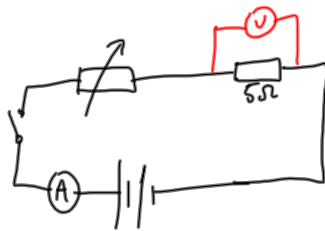
Petri-dish seeds in damp Cottonwool



Phototropism
plants grow towards the light.

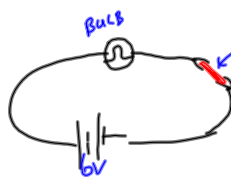
Physics experiments

OP 50 Ohm's Law



$$\frac{V}{I \times R}$$

OP 49 Test for electrical conductors/insulator.



bulb lights if the material is a conductor

• OC 38 Titration (p.220)

