Each candidate will require:

- A freshly obtained pinnate/bipinnate leaf labeled specimen K.
- A piece of Irish potato tube (a medium sized potato to be shared between four students)
- A scalpel or other means of cutting
- 5 labels
- One test tube
- A freshly obtained piece of couch grass having 2 to 3 internodes complete with roots and leaves labeled specimen H.
- Distilled water
- Stop watch or access to a wall clock
- About 15ml hydrogen peroxide
- 10ml measuring cylinder
- Access to:
  - Iodine solution supplied with a dropper calibrated in ml
  - Dilute sodium hydroxide solution supplied with a dropper calibrated in ml
  - Dilute hydrochloric acid supplied with a dropper calibrated in ml.