

Starter Quiz

IGCSE Biology

Name: _____ Score: _____

1. The mnemonic MRS GREN helps you remember:

- ☐ the food groups
- ☐ the seven characteristics of living things
- ☐ the parts of a cell
- ☐ the kingdoms of life

2. A species is a group of organisms that can:

- ☐ be the same colour
- ☐ live in the same place
- ☐ eat the same food
- ☐ breed to produce fertile offspring

3. Which feature do plant cells have that animal cells do not?

- ☐ a cell wall
- ☐ cytoplasm
- ☐ a nucleus
- ☐ a cell membrane

4. In MRS GREN, the "R" for respiration means:

- ☐ reproducing
- ☐ breathing in air only
- ☐ removing waste
- ☐ releasing energy from food

5. In the binomial system, the first word of the name is the:

- ☐ kingdom
- ☐ genus
- ☐ species
- ☐ phylum

6. Which of these are kingdoms of living things? (Select all that apply.)

- ☐ plants

☐ rocks

☐ fungi

Tick every correct option.

7. Excretion is the removal of undigested food from the body.

- ☐ True ☐ False

8. Members of the same species breed to produce _____ offspring.

9. Bacteria are prokaryotes, meaning their cells have no proper nucleus.

- ☐ True ☐ False

10. Taking in materials for energy, growth and repair is called _____.

1. **the seven characteristics of living things**

MRS GREN lists the seven life processes.

2. **breed to produce fertile offspring**

Members of a species breed to give fertile offspring.

3. **a cell wall**

Plant cells have a cell wall, chloroplasts and a large vacuole.

4. **releasing energy from food**

Respiration releases energy from food in every living cell.

5. **genus**

The binomial is genus then species, e.g. Homo sapiens.

6. **plants; animals; fungi**

Rocks are not living. The kingdoms include animals, plants, fungi, bacteria and protocists.

7. **False**

False. That is egestion. Excretion removes waste made by the body's own metabolic reactions, such as carbon dioxide and urea.

8. **fertile**

Fertile offspring can themselves reproduce.

9. **True**

Bacteria lack a nucleus; the other kingdoms are eukaryotes.

10. **nutrition**

Nutrition is the N in MRS GREN.