

GRADE 5 Natural Science and Technology – TERM 4

Name and surname: _____

Total: 45

Date: _____

Time: 1 hour

INSTRUCTIONS

1. Read the questions carefully.
 2. Answer all the questions.
 3. All drawings must be done in pencil.
 4. Write neatly.
-

QUESTION 1: Multiple choice

Read each question and circle the correct letter for each question.

(7)

1.1 Which one of the following is not an example of fuel

- A. Wood
- B. Rocks
- C. Wax
- D. Coal

1.2 When plants are growing, they use light energy from the _____ as well as carbon dioxide and water to grow.

- A. moon
- B. sun
- C. earth
- D. plants

1.3 _____ is the fuel for our bodies.

- A. food
- B. animals
- C. diesel
- D. petrol

1.4 The earth rotates around its own axis from _____ to _____

- A. North to south
- B. West to East
- C. South to North
- D. East to West

1.5 Any fire needs _____ to burn.

- A. oxygen
- B. grass
- C. plants
- D. coal

1.6 Fire can be _____ if it is not controlled, especially inside the home.

- A. good
- B. useful
- C. dangerous
- D. warm

1.7 For the Earth to rotate around its own axis, it takes

- A. 24 hours
- B. 365 $\frac{1}{4}$ days
- C. 356 $\frac{1}{4}$ days
- D. 12 hours

QUESTION 2

Give a description for the following words: (5)

2.1. Erosion:

When wind and water move pieces away from the rock (1)

2.2. Deposition:

Wind and water erode the rock as they carry away the sand (1)

2.3. Mantle:

The mantle is the layer that lies underneath the crust. Mantle rock is much hotter than the rock that is found in the crust. (1)

2.4. Clay:

Clay consists mainly of very fine particles which cling together. (1)

2.5. Loam:

Loam is a mixture of clay, sand and humus. (1)

QUESTION 3

Match the description in Column B with the word in Column A by writing the correct letter.

(5)

| Column A | Answer | Column B |
|-----------------------|----------|---|
| 1. Limestone | D | A. The remains or traces of plants and animals that lived long ago |
| 2. Fossil | A | B. A system that transfers electrical energy to where it is needed. |
| 3. Sandstone | C | C. Made from grains of sand that are cemented together. |
| 4. Battery | E | D. Made of layers of shells of sea-animals that died and sank to the bottom of the sea. |
| 5. Electrical circuit | B | E. Two or more cells connected end to end. |

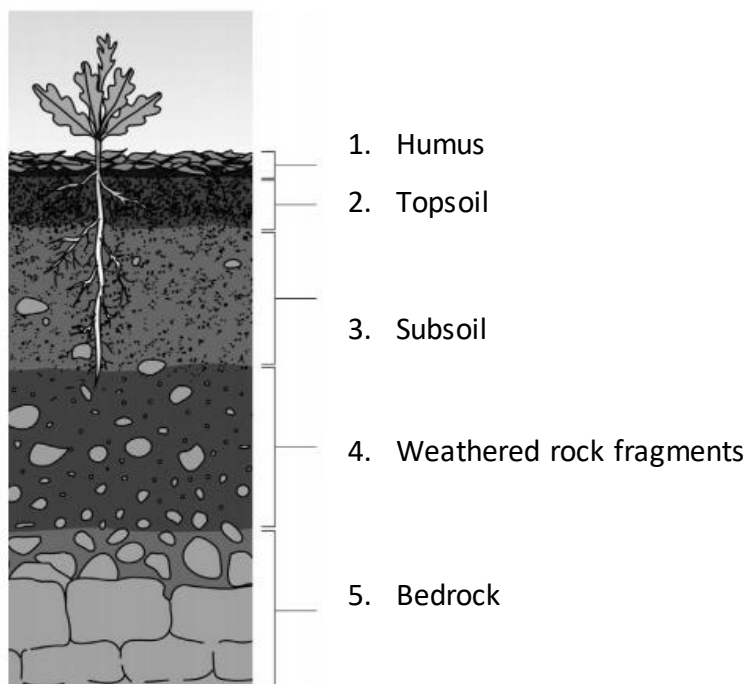
QUESTION 4: Soil

Answer the questions below:

- 4.1. There are 3 main types of particles which make up soil. Write them down. (3)

Clay
Silt
Sand

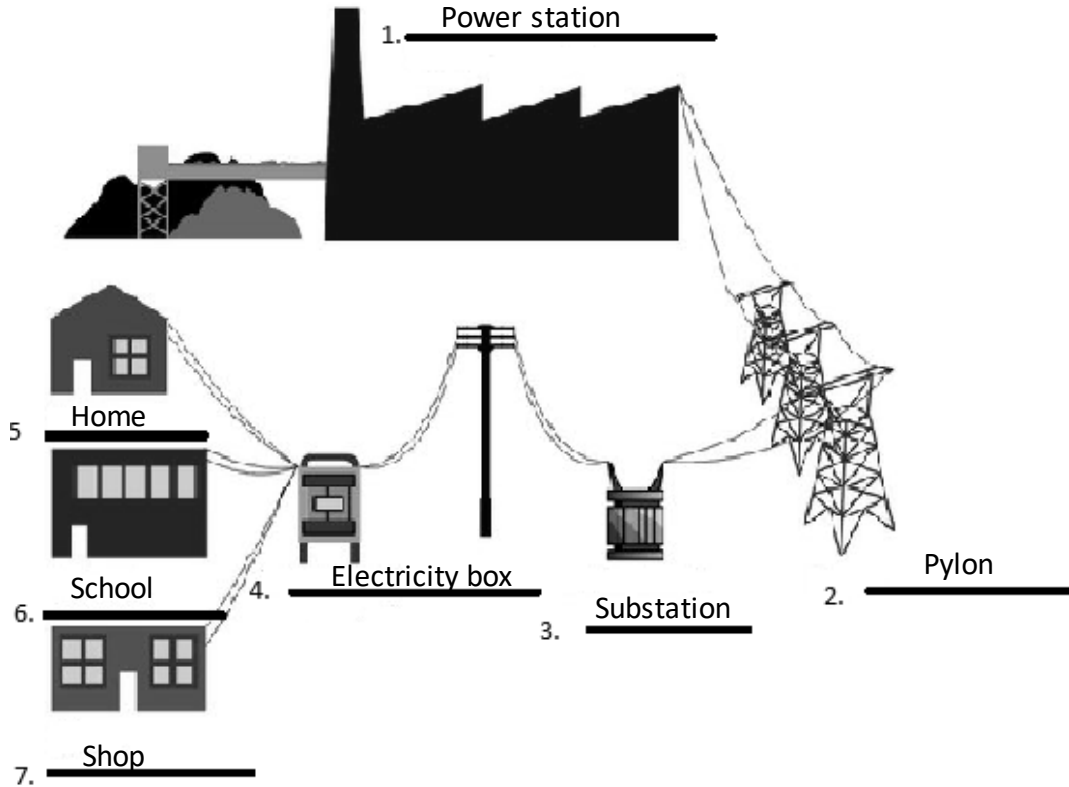
- 4.2. Look at the picture and complete the missing headings. (5)



QUESTION 5

5.1. Look at the picture below and label the picture.

(7)



5.2. Give 6 rules how to use electricity safely.

(6)

Here are some rules for using electricity safely:

1. Do not put anything into an outlet except a plug.
2. Do not pull on the cord to unplug an appliance, hold the plug and pull.
3. Dry your hands before you plug in or unplug a cord.
4. If a plug is broken or a cord is cut or worn, do not use it.
5. Do not plug too many cords into one outlet.
6. Keep appliances away from water. Do not use a hair dryer if there is water nearby.
7. If there is an electrical storm (with lightning), turn off and disconnect electrical appliances, like the TV and computer.
8. Do not touch any power lines.
9. Some power lines are buried underground. If you are digging and find a wire, do not touch it.

10. Do not fly a kite or climb a tree near a power line.

QUESTION 6: Fossils

Give a description for the following words:

6.1. Body fossil:

A body fossil shows you the shape of the body of the plant or animal. Body fossils include teeth, bones, shells, stems, leaves and seeds. (1)

6.2. Trace fossil:

Trace fossils show the evidence of how an animal or plant interacted with its environment. Some ancient animals, like dinosaurs, may have walked across wet mud and left footprints in the mud, this footprint can be preserved and become a trace fossil. (1)

6.3. Answer the questions below about the Cradle of humankind.

a. Where can you find the Cradle of Humankind?

The Cradle of Humankind is found in Maropeng just outside of Johannesburg in Gauteng. (1)

b. In the Cradle of Humankind about 1 000 fossils of **pre-humans** have been discovered. (1)

c. Altogether there are 15 major fossil sites in the Cradle of Humankind. The **Sterkfontein Caves** are the most famous. (1)

d. The fossils of "**Mrs Pleis**" and "**Little foot**", were both discovered at Maropeng (2)

TOTAL: ___/45