



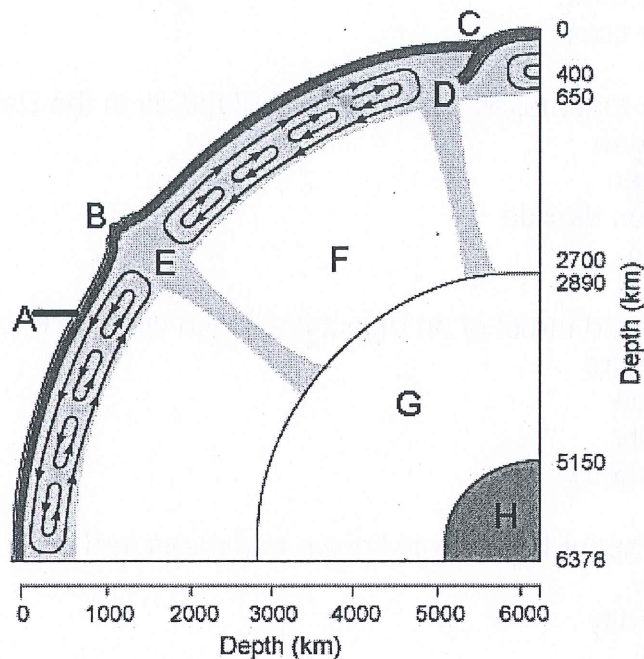
Year 7 Science 2017 – EES 2 Topic Test

Name: Solutions

Total Mark: ____/20

SECTION 1: MULTIPLE CHOICE (1 mark each)
Circle your answer in the section on page 2.

The first six questions are about the following diagram of the structure of the Earth.



1. The part of the Earth that is labelled A is called the
☒ a) crust.
b) mantle.
c) magma.
d) core.
2. The solid inner core is labelled
a) E
b) F
c) G
☒ d) H
3. The area that is labelled D is called
☒ a) the subdivision.
☒ b) the subduction zone.
c) the expansion zone.
d) the unstable zone.
4. You would find a lot of earthquakes and volcanoes around
a) A
b) B
☒ c) C
d) D

5. The thickness of the liquid outer core is approximately
 - a) 2050km
 - ☒ b) 2260km
 - c) 2890km
 - d) 5150km
6. The thinnest layer of the Earth is the
 - ☒ a) crust.
 - b) mantle.
 - c) outer core.
 - d) inner core.
7. The gas that makes up about 78% of the air in the Earth's atmosphere is
 - ☒ a) nitrogen
 - b) oxygen
 - c) carbon dioxide
 - d) argon
8. The upward thrust of an object floating in water is known as
 - a) pressure
 - b) friction
 - c) gravity
 - ☒ d) buoyancy
9. Water vapour in the air is known and measured as
 - a) snow
 - ☒ b) humidity
 - c) wind
 - d) hail
10. The layer of atmosphere closest to the Earth and containing about 75% of the air is the
 - a) thermosphere
 - b) ionosphere
 - ☒ c) troposphere
 - d) stratosphere

M/C Answer Section (Circle your choice)

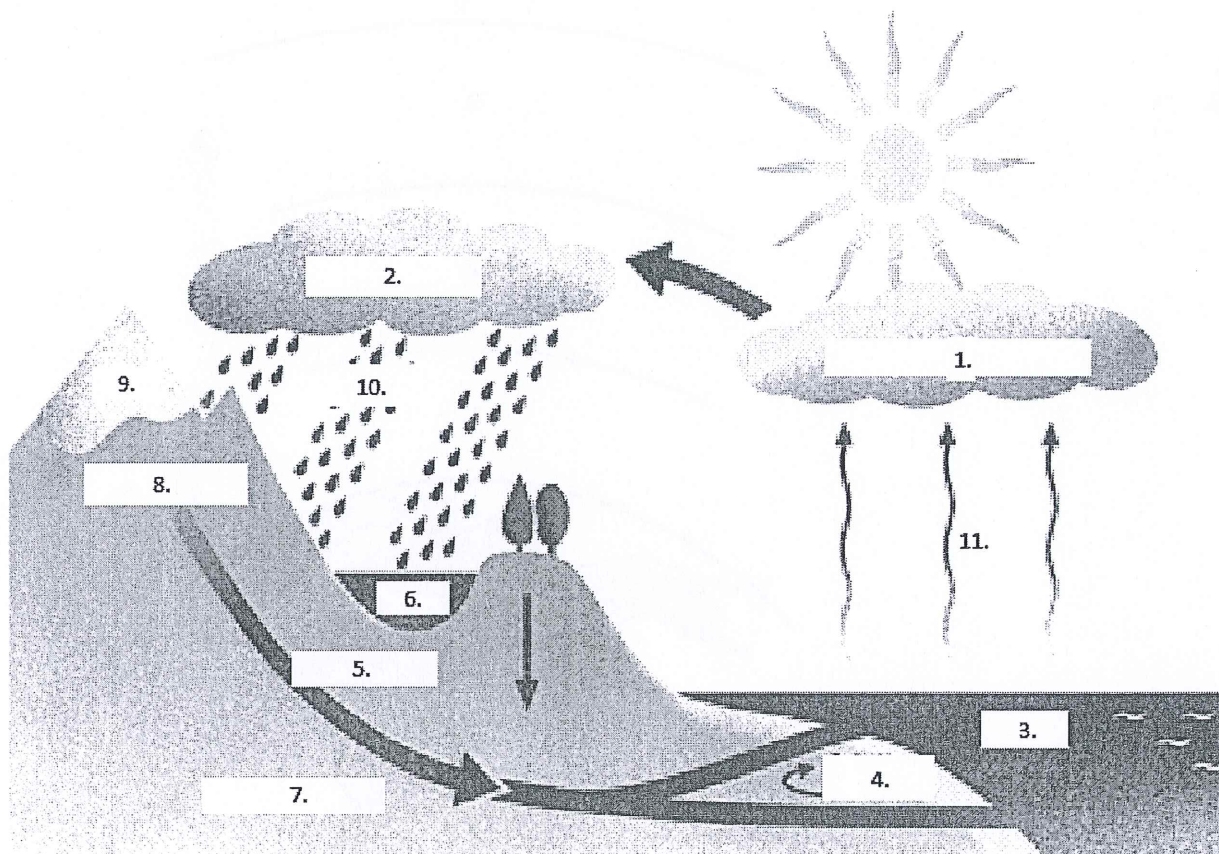
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|---------------------------------------|------------------------------------|------------------------------------|------------------------------------|---------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| 1. <input checked="" type="radio"/> A | B | C | D | 6. <input checked="" type="radio"/> A | B | C | D |
| 2. A | B | C | <input checked="" type="radio"/> D | 7. <input checked="" type="radio"/> A | B | C | D |
| 3. A | <input checked="" type="radio"/> B | C | D | 8. A | B | C | <input checked="" type="radio"/> D |
| 4. A | B | <input checked="" type="radio"/> C | D | 9. A | <input checked="" type="radio"/> B | C | D |
| 5. A | <input checked="" type="radio"/> B | C | D | 10. A | B | <input checked="" type="radio"/> C | D |

Total Mark for M/C Section: ____ /10

SECTION 2: WRITTEN

Write your answers in the spaces provided.

1. Use the following diagram to allocate numbers to the following terms: (3 marks)



Snow -

9

Precipitation -

10

Lakes -

6

Evaporation -

11

Rain clouds -

2

Deep rock layer -

7

Cloud Formation -

1

Surface runoff -

8

Oceans -

3

Delta formation -

4

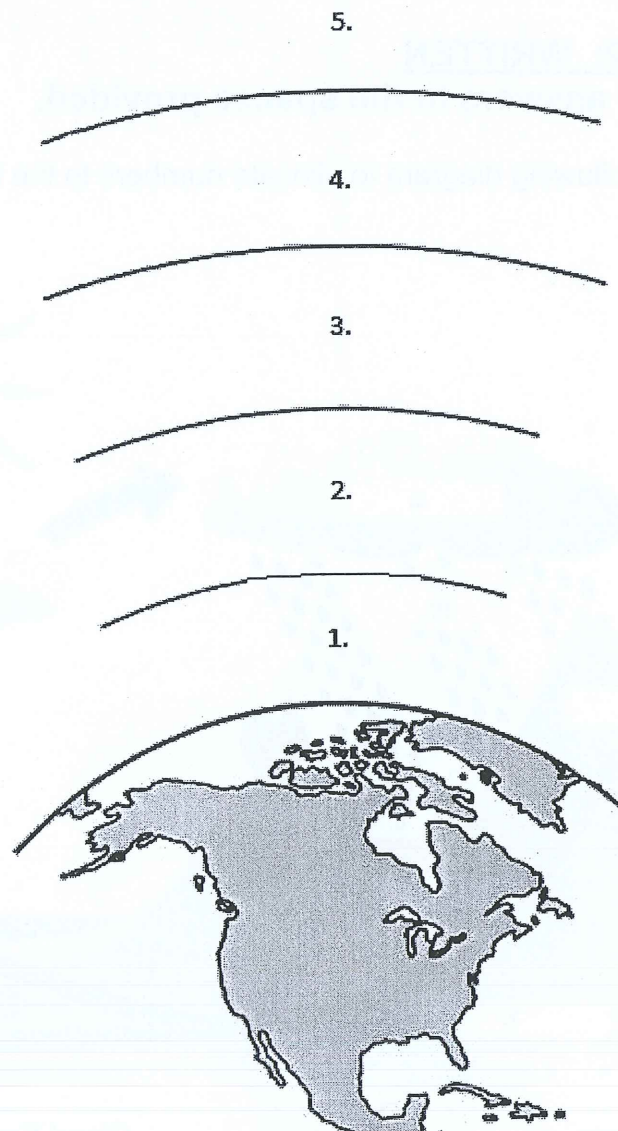
Ground water flow -

5

All correct (3)
 1 wrong (2)
 2 wrong (1)
 3 or more (0)

2. Label the atmospheric levels (1-5)

(2 marks)



1. troposphere
2. stratosphere
3. mesosphere
4. thermosphere
5. exosphere

All correct (2)
1 wrong (1)
2 or more (0)

3. Resources are classified as renewable and non-renewable. Classify the following as renewable (R) non-renewable (NR).

(3 Marks)

- a. Petrol NR
- b. Plantation timber R
- c. Nuclear fuel NR
- d. Solar electricity R
- e. Geothermal energy R
- f. Wind power R
- g. Tidal power R
- h. Natural gas from biomass R

All correct (3)
1 entry (2)
2 wrong (1)
3 or more (0)

4. Plastics are common materials used for many familiar uses.

(2 marks)

- a. State two (2) advantages of plastics:

$\frac{1}{2}$ each

(1)

- b. State two (2) disadvantages of plastics:

$\frac{1}{2}$ each

(1)

Total Mark for written section: ____/10

END OF TEST

