Year 7 Science
Introduction to Science - Test 2

Name: _ANSWERS_   Date: _____

Class: _____

/27

MARKS

Multiple choice questions

1 Adam thought that the milk in the fridge had gone 'off' because it smelt and tasted a bit different from fresh milk. When he tipped it into a glass it was lumpy.
   Which if the following is **not** an observation of the milk?
   A   It was lumpy.
   B   It smelt different.
   C   It had gone 'off'.
   D   It tasted different.

   Answer: _C_

   (1)

2 Which of your senses would be of most use when observing the loudness of thunder?
   A   Sight
   B   Hearing
   C   Touch
   D   Taste

   Answer: _B_

   (1)

3 Which of your senses would be of most use when observing the length of a leaf?
   A   Sight
   B   Hearing
   C   Touch
   D   Taste
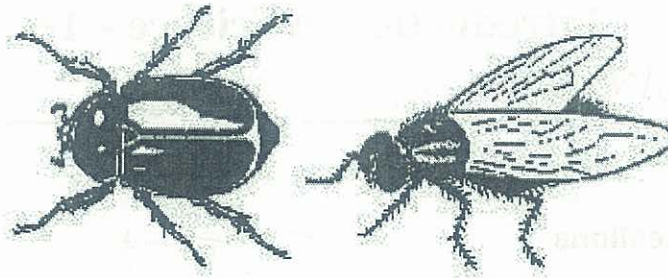
   Answer: _A_

   (1)

4 Which of your senses would be of most use in observing the amount of sugar in a cup of tea?
   A   Sight
   B   Hearing
   C   Touch
   D   Taste

   Answer: _D_

   (1)

5   Refer to the drawings of the two animals shown.

Which of the following statements about the animals above is an inference?   reason

- A   They both have jointed legs
- B   One has wings that you can see and the other has not
- C   They are both insects
- D   They both have hairs on their legs

Answer: _C_   (1)

6   If you put a cool drink with ice into a glass, the outside of the glass feels wet and slippery. If you
     look carefully you can see tiny drops of liquid which look like water on the outside of that glass.
     Which of the following is a reasonable inference (rather than an observation)?
     A   The glass feels cold
     B   The glass feels slippery
     C   The tiny drops of water have come from the air
     D   Small droplets of water can be seen on the outside of the glass

     Answer: _C_   (1)

7   Cassie had a small puppy and measured its weight every Saturday morning.
     Which of the following is a prediction (rather than an observation or inference) about its weight?
     A   It weighs 1.2 kg today
     B   It weighed 1.1 kg last Saturday
     C   It will weigh about 1.3 kg next Saturday
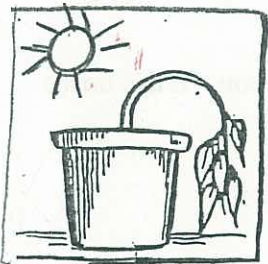   D   Its weight is changing quite rapidly

     Answer: _C_   (1)

11. Complete the following table of observations and inferences.

OBSERVATION	INFERENCE
A lawn mower is heard running out the front of a neighbouring house.	The neighbour is using mover to cut grass
The leaves on a small tree are turning yellow.	Tree is dying It is autumn
A cushion is torn on the lounge and the cat has some fabric on its claws.	Cat has been ripping cushion
The glass of Coke on the table has no bubbles in it.	Coke is flat
A test tube goes cold when two chemicals are mixed in it.	Chemical reaction

(5)

12. Make an observation, inference and prediction for each picture

Observation _Plant is dropping over / Sun shining_

Inference _Plant is dead_

Prediction _Plant will die_
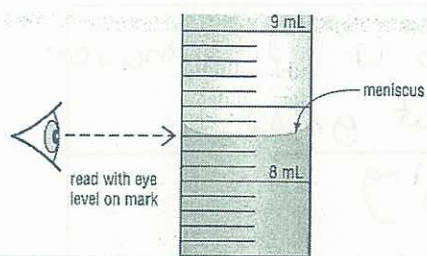
(3)

Observation _Cat in tree, dog barking_

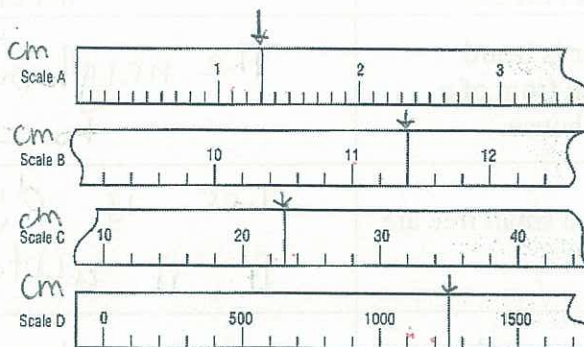Inference _Cat ran away from dog (cat scared)_

Prediction _Dog eat cat_

(3)

8. Give the values shown on the following scales.

read with eye level on mark

Cm Scale A

Cm Scale B

cm Scale C

Cm Scale D

8b **1.3 cm**

8c **11.4 cm**

8d **20.3 cm** ~~20.3~~ **23 cm**

8e **1250 cm**

8 a **8.3 mL**

(3)

9. Convert the following.

3000 g = **3** kg   4.5 km = **4500** m

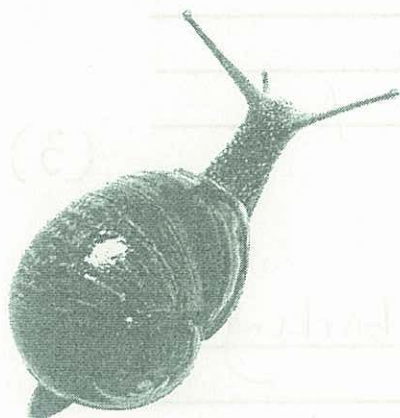6.0 min = **360** secs   21.6 cm = **216** mm

497 mm = **0.497** m   3.5 hr = **210** min   (3)

10. Below is a diagram of a garden snail. Assume you have this animal in front of you. Write down six observations you would make of the snail.

• **It is black/white**

• **It has tentacles/eyes**   (3)

• **It has a shell**

• **It has a foot**

• **The shell is shiny**

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