Year 7 Science
Introduction to Science - Test 2

Name: _____   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: ____

(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: ____

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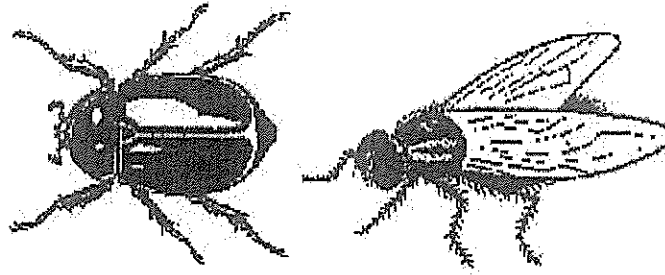B   Hearing
C   Touch
D   Taste

(1)

Answer: ____

(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: ____

(1)

5   Refer to the drawings of the two animals shown.

Which of the following statements about the animals above is an inference?
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: ___   (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: ___   (1)

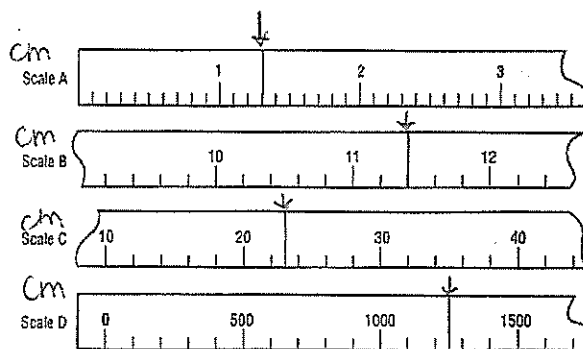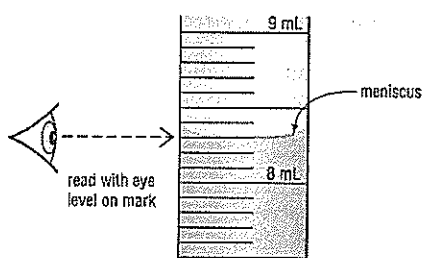7   Cassie had a small puppy and measured its weight every Saturday morning.
Which of the following is a prediction (rather than an observation or inference) about its weight?
A   It weighs 1.2 kg today
B   It weighed 1.1 kg last Saturday
C   It will weigh about 1.3 kg next Saturday
D   Its weight is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

Answer: ___   (1)

8. Give the values shown on the following scales.

9 mL

meniscus

read with eye
level on mark

8 mL

Cm
Scale A   1   2   3   8b_____

Cm
Scale B   10   11   12   8c_____

Cm
Scale C   10   20   30   40   8d_____

Cm
Scale D   0   500   1000   1500   8e_____

8 a_____

(3)

9. Convert the following.

3000 g = _____ kg   4.5 km = _____ m

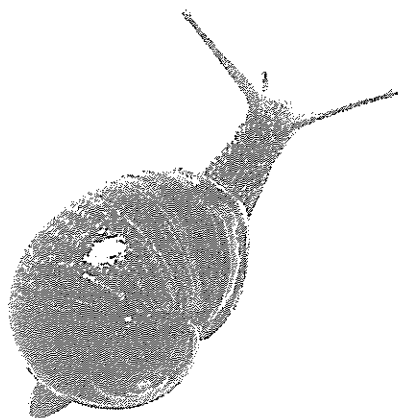6.0 min = _____ secs   21.6 cm = _____ mm

497 mm = _____ m   3.5 hr = _____ 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.

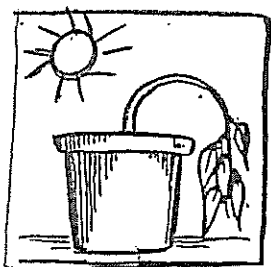• _____

• _____

• _____

• _____

• _____

(3)

3

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 leaves on a small tree are turning yellow.	
A cushion is torn on the lounge and the cat has some fabric on its claws.	
The glass of Coke on the table has no bubbles in it.	
A test tube goes cold when two chemicals are mixed in it.	

(5)

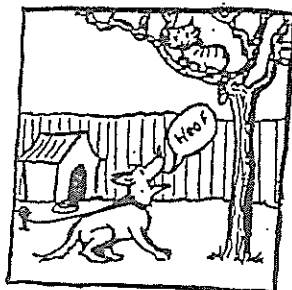12. Make an observation, inference and prediction for each picture

Observation _____

_____

Inference _____

_____

Prediction _____

_____

(3)

Observation _____

_____

Inference _____

_____

Prediction _____

_____

(3)