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1 Urinary system

1 What is excretion? ____________________________________________________________ [1]

2 What is the purpose of metabolism in the body? ____________________________________________ [1]

3 Name TWO organs of the body responsible for excretion.
   i) ____________________________________________________ [2]
   ii) ____________________________________________________

4 a) Write the name of the parts of the urinary system identified by label lines.

   ____________________________________________________
   ____________________________________________________
   ____________________________________________________
   ____________________________________________________
   ____________________________________________________
   ____________________________________________________

Say whether each of the following are TRUE or FALSE.

   a) The products of metabolism are toxic. ________________ [4]
   b) Blood gets cleaned in the kidneys. ________________
   c) Only waste products are found in the Bowman’s capsule. ________________
   d) All people with one kidney undergo dialysis. ________________
2 Lungs and skin

1 Excretion in the lungs occurs because of the process taking place throughout the body called:


[1]

2 Name TWO products excreted by the lungs.
   i) ______________________________________________________
   ii) ____________________________________________________

[2]

3 a) Is it TRUE to say that exhaled air is acidic? ________________________________

[1]

b) Why? ________________________________________________________________

[2]

4 On the diagram of the skin, label each part identified by a letter.

A

B

C

D

E

[5]
Name THREE components of sweat.

i) ________________________________

ii) ________________________________

iii) ________________________________ [3]

There are TWO important purposes for sweating. They are:

i) ________________________________

ii) ________________________________ [2]

Complete the sentences below with the correct words.

Sweat sometimes has an unpleasant odour because of the presence of ________ in the sweat. __________________ is used to lessen the odour but ________ stops us from sweating. [3]

3 Water balance

From the following list, circle the ways by which the body loses water.

THINKING DRINKING JUICE URINATING

DEFECATING INHALING

EXHALING HAVING ICE CREAM DIARRHOEA

SIPPING WATER SWEATING [5]

On a cold day, a person urinates more frequently than on a hot day. Why is this so?

____________________________________________________________________________________

____________________________________________________________________________________

____________________________________________________________________________________ [2]

How does a person become dehydrated?

____________________________________________________________________________________

____________________________________________________________________________________ [1]
1. What does ‘reproduction’ mean?

________________________________________________________________________

________________________________________________________________________

[1]

2. Why is reproduction necessary?

________________________________________________________________________

________________________________________________________________________

[1]

3. a) The female reproductive system is shown below.

Name each part identified by a letter.

[5]

b) State briefly what occurs at each part of the female reproductive system.

A

________________________________________________________________________

B

________________________________________________________________________

C

________________________________________________________________________

D

________________________________________________________________________

E

________________________________________________________________________

[5]
For questions 4–6, circle the correct answer.

4 The normal length of the menstrual cycle is:
   a) 21 days  
   b) 28 days  
   c) 40 days  
   d) 31 days.

5 Uterus is another term for:
   a) ovary  
   b) placenta  
   c) womb  
   d) vagina.

6 To nourish the fertilised egg, the uterus builds up:
   a) a blood-rich lining  
   b) fat supplies  
   c) water  
   d) a placenta.

7 a) The diagram below shows the human male reproductive system. Name each part identified by a letter.

   A  
   B  
   C  
   D  
   E

[5]
b) Each part of the male reproductive system shown in the diagram on page 8 has a specific function.

In the table below, draw lines to match each part with its function.

<table>
<thead>
<tr>
<th>PART</th>
<th>FUNCTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Produces sperm</td>
</tr>
<tr>
<td>B</td>
<td>Contracts to let semen out of the body</td>
</tr>
<tr>
<td>C</td>
<td>Passage through which semen leaves the body</td>
</tr>
<tr>
<td>D</td>
<td>Duct through which sperm travels</td>
</tr>
<tr>
<td>E</td>
<td>Provides the nutrient fluid for the sperm</td>
</tr>
</tbody>
</table>

For questions 8–12, circle the correct answer.

8) What is the male sex organ that produces and stores sperm?
   a) Prostate    b) Scrotum    c) Testicle    d) Vas deferens

9) What is the male cell that unites with the ovum for reproduction?
   a) Semen    b) Sperm    c) Testosterone    d) Progesterone

10) Which fluid contains millions of male sex cells?
    a) Urine    b) Amnion    c) Epididymis    d) Semen

11) What is the sac holding the testes called?
    a) Scrotum    b) Vas deferens    c) Vesicles    d) Epididymis

12) The correct order of the path of a sperm is:
    a) vas deferens – epididymis – urethra
    b) urethra – vas deferens – epididymis
    c) urethra – epididymis – vas deferens
    d) epididymis – vas deferens – urethra.

13) Say whether each of the following is TRUE or FALSE.
    a) Both semen and urine can exit through the urethra at the same time.  
       ____________
    b) The prostate gland provides the nutrient fluid for the sperm.  
       ____________
    c) The testes must always be kept warmer than body temperature.  
       ____________