

PENANG SANGAM HIGH SCHOOL

WEEK 2 (07/06 – 11/06)

1. The table given below shows the percentage composition of four samples of air. Which sample can be **air breathed in** by a person during exercise?

Sample	Carbon dioxide	Nitrogen	Oxygen	Water
A.	4	79	16	3
B.	4	80	15	0
C.	4	83	17	0
D.	4	76	21	3

2. The life of an animal begins when
- A. an egg is released
 - B. a sperm is released
 - C. the sperm fertilizes the egg
 - D. the fertilized egg embeds itself in the uterus.
3. Which of the following chemical is required to test the presence of proteins in food?
- A. Iodine Red blood cell
 - B. Biuret solution
 - C. Methylated spirit
 - D. Benedicts solution
4. In a normal healthy person, which of the following substances is mainly removed from the kidney?
- A. Urea and water
 - B. Fibre and water
 - C. Carbon dioxide and urea
 - D. Glucose and carbon dioxide
5. Which set of chemical and equipment would be useful for the dissection of a toad?
- A. Chloroform, scissors, scalpel
 - B. Chlorophyll, scalpel, scissors
 - C. Chloroform, iodine, razor blade
 - D. Chlorophyll, razor blade, hand lens
6. Organism that can make their own food are called
- A. Heterotroph
 - B. Autotroph
 - C. Commensalism
 - D. Decomposers

7. Fill in the blanks:

Blood is made up of _____ components; solid and liquid components. The solid components are _____, white blood cell and _____ while the liquid component is _____. Red blood cells are made in the _____ inside the bones. Red blood cells are partly made from _____ called _____ which contains iron and gives blood its dark red colour. Haemoglobin is important because it attracts and carries molecules of _____.

8. State the importance of leucocytes in the blood.

9. Where are worn out blood cells destroyed?

10. Match each structure of the respiratory system with its description.

Structure	Description
_____ (i) pharynx	a. Tiny air sacs where gas exchange occurs
_____ (ii) trachea	b. Tiny projections that sweep trapped particles and mucus away from the lungs
_____ (iii) cilia	c. Tube that serves as a passageway for both air and food
_____ (iv) larynx	d. Large passageways in the chest that lead to the lungs

11. List 3 changes that occur in girls during puberty?

- i. _____
- ii. _____
- iii. _____

12. List 3 changes that occur in boys during puberty?

- i. _____
- ii. _____
- iii. _____

...STAY SAFE

