

Aims

In groups you will have 10 minutes to complete each activity card. You should record your answers on a piece of paper that you can keep for revision.



Activity card 1: Levels of organisation

Below is a list of key words for this topic. Define all of the key words.
You may use your books.

tissue
organ
organ system
cell
muscle
heart
digestive system
multicellular organism

Put the first four words in a logical order and state your reasons for putting them in this order.

Activity card 2: Lungs and breathing

Below is a list of key words for this topic. Define all of the key words.
You may use your books.

lungs
rib cage
diaphragm
trachea
inhale
exhale
alveolus
lung volume
bell jar

For each of the parts of the gas exchange system, describe how it is designed to carry out its function during breathing.

**Activity card 3: The skeleton**

Below is a list of key words for this topic. Define and give a function for all of the key words. You may use your books.

bone
skeleton
joint
cartilage
ligament
newtons
skull
elbow
backbone

Activity card 4: Muscles

Below is a list of key words for this topic. Define and give a function for all of the key words. You may use your books.

muscle
tendon
antagonistic muscles
biceps
triceps
contracts
relaxes

Discuss in your group how to measure a force exerted by a muscle, for example, the biceps. Work together to write a brief method.

Questions

1 Define and name an organ.

2 Describe what happens to the diaphragm when you breathe in.

3 Give an example of a bone of the skeleton that provides support, protection, and movement.

4 Name the muscles involved in moving the elbow and state why they are called an antagonistic pair.
