

Questions and answers



The stomach is part of which organ system?	digestive	What is respiration?	the release of energy from food molecules/stored chemicals
True or false: plant cells have both a cell membrane and a cell wall?	true	Hearing sound is an example of which characteristic of life?	sensitivity
How is a fish adapted to live in water?	gills instead of lungs, streamlined, fins for swimming	Which types of cell contain permanent vacuoles?	plant cells
What name is given to all of the living organisms in an ecosystem?	community	How are bacterial cells different to animal and plant cells?	they are smaller, have no nucleus
Name two excretory products.	urea, carbon dioxide, water	Name two places you might find ciliated cells in a human body.	windpipe and oviduct
Which organs are found in the thorax?	heart, lungs, diaphragm	How are red blood cells adapted to their function of carrying oxygen?	packed with haemoglobin, no nucleus
Which plant organ is responsible for making food?	leaf	What is the main organ of the circulatory system?	heart
Which characteristic of life is a flower adapted for?	reproduction	How is a cactus adapted to living in hot deserts?	small surface area, deep roots, leaves reduced to spines
Which of the following is not an organ: bladder, femur (thigh bone), hair?	hair	How do plants transport materials through their body?	through vascular bundles (xylem and phloem)
What is an organelle?	a complex structure found in the cytoplasm	Which is biggest, a habitat or a biome?	a biome
Name the organelle that is found in plant cells but not animal cells.	chloroplast	Which cellular structure is composed of cellulose?	plant cell wall
Which important molecule is stored in the nucleus?	DNA	How are nerve cells specialised for carrying electrical impulses?	have long extensions and connect to other nerve cells
What is a gamete?	a sex cell (e.g. a sperm cell or an ovum)	How do plants move?	by growing
How is a palisade cell specialised for photosynthesis?	it contains many chloroplasts	Which tend to be larger, plant cells or animal cells?	plant cells
Why might you use a stain when viewing cells under a microscope?	to make cell structures easily visible	Is water used or produced in respiration?	produced