Quizlet

## 30 Multiple choice questions

1.	<ol> <li>an organelle responsible for the manufacture of prot</li> </ol>				
	a. rumen				

- b. ribosome
- **5.** 1150501110
- c. tissue
- d. phloem
- 2. the ability of a device such as a microscope to produce a clear image
  - a. resolution
  - b. transpiration
  - c. respiration
  - d. translocation
- 3. a biochemical consisting of a phosphate group attached to a lipid; major component of the cell or plasma membrane
  - a. protein
  - b. phospholipid
  - c. photosynthesis
  - d. phloem
- 4. the evaporation of water through the pores of a plant
  - a. translocation
  - b. transpiration
  - c. respiration
  - d. resolution
- 5. opening to the exoskeleton of the breathing tubes in insects
  - a. spiracles
  - b. tracheae
  - c. specialise
  - d. respiration
- 6. a combination of a radioisotope and a pharmaceutical that ensures the substance moves to the appropriate organ so that medical diagnosis can occur or movement of substances be traced
  - a. transpiration
  - b. radiopharmaceutical
  - c. respiration
  - d. radioisotope

d. xylem

a. transpiration

c. respiration

d. translocation

11. living or growing on land a. resolution

b. tracheae

c. terrestrial

a. respiratory system

d. protein

b. spiracles

c. transpiration

d. respiration

b. spontaneous generation

Test: 11 Biology 6 Patterns in Nature - Part 4 | Quizlet 7. applied science a. vacuoles b. tracheoles c. phloem d. technology 8. the fine endings of the tracheae in insects and arthropods that come into contact with their internal cells and allow exchange of gases a. vacuoles b. tracheoles c. spiracles d. tracheae 9. part of the vascular bundle, made up of tracheids; responsible for the transport of water and mineral salts a. vacuoles b. phloem c. rumen

10. the theory that living cells could arise from non-living matter; now discredited

12. the set of organs, including lungs or gills, responsible for the exchange of gases in vertebrates

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13.	the tubes that assist gaseous exchange in insects and other arthropods	
	a. tracheae	
	b. protein	
	c. starch	
	d. tracheoles	
14.	the large chamber in the stomach of ruminants into which food is initially swallowed and where fermentation occu	rs
	a. protein	
	b. rumen	
	c. ruminant	
	d. xylem	
15.	the surface area divided by the volume; relates to the efficiency of the exchange of materials or heat	
	a. surface area/volume ratio	
	b. spontaneous generation	
	c. resolution	
	d. tracheoles	
	the pores in plant leaves with guard cells, responsible for the exchange of gases and the loss of water through transpiration	
	a. starch	
	b. rumen	
	c. stomata	
	d. tissue	
17.	part of the vascular bundle in plants, responsible for the transport of sugars	
	a. xylem	
	b. rumen	
	c. protein	
	d. phloem	
18.	a group of cells or cell products that form a definite structural material in a plant or animal	
	a. stomata	
	b. tissue	
	c. ribosome	
	d. reticulum	

19.	the process by which sugars and other organic molecules are transported within the phloem of plants	
	a. resolution	
	b. transpiration	
	c. translocation	
	d. respiration	
20.	the process by which plants make their own food using carbon dioxide, water and sunlight, in the presence of chlorophyll	
	a. phloem	
	b. protein	
	c. phospholipid	
	d. photosynthesis	
21.	a form of an element in which the atoms are unstable and emit radiation in the form of alpha and/or beta particles and/or gamma rays	
	a. radioisotope	
	b. transpiration	
	c. resolution	
	d. ribosome	
22.	a white, insoluble form of carbohydrate that occurs in plant parts such as seeds, grains and tubers	
	a. starch	
	b. spiracles	
	c. xylem	
	d. stomata	
23.	the second chamber of the ruminant stomach where food is processed into cud, which is eventually regurgitated and rechewed	
	a. reticulum	
	b. ruminant	
	c. resolution	
	d. tissue	
24.	relatively large organelles that can expand enormously to hold watery liquid or secretions	
	a. vacuoles	
	b. tracheoles	
	c. xylem	
	d. phloem	

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25.	speci	alised epidermal cells located behind the root tip
	a.	reticulum
	b.	root hair cells
	C.	procaryotic cells
	d.	spiracles
26.		bivore with a specialised digestive system, including several chambers to the stomach to promote the entation and digestion of plant material
	a.	stomata
	b.	rumen
	C.	protein
	d.	ruminant
27.	-	process by which living organisms obtain energy by using glucose and oxygen and producing carbon dioxide, r and energy
	a.	respiration
	b.	resolution
	c.	translocation
	d.	transpiration
28.	an or	ganic compound made up of amino acid units and is essential for growth, repair and life processes
	a.	phloem
	b.	protein
	c.	rumen
	d.	tracheae
29.	to de	velop characteristics for special purposes
	a.	vacuoles
	b.	reticulum
	C.	spiracles
	d.	specialise
30.	cells	without a nucleus, organelles or internal membranes e.g. bacteria
	a.	photosynthesis
	b.	procaryotic cells
	c.	root hair cells

d. tracheoles