

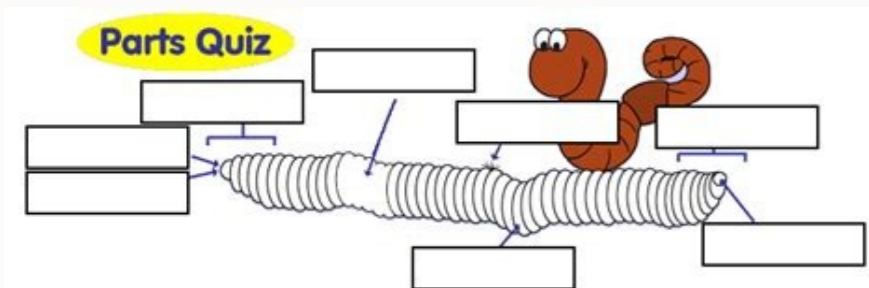
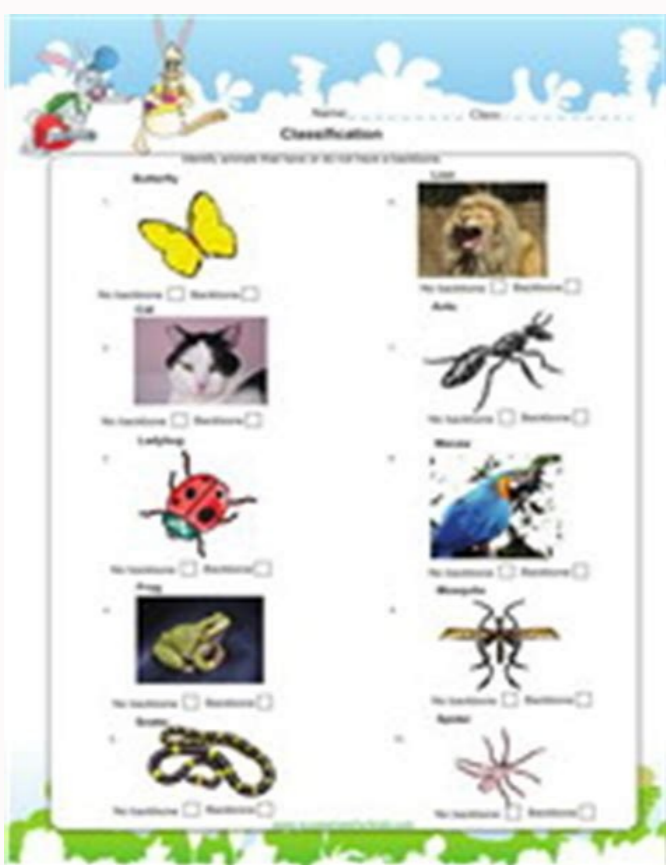
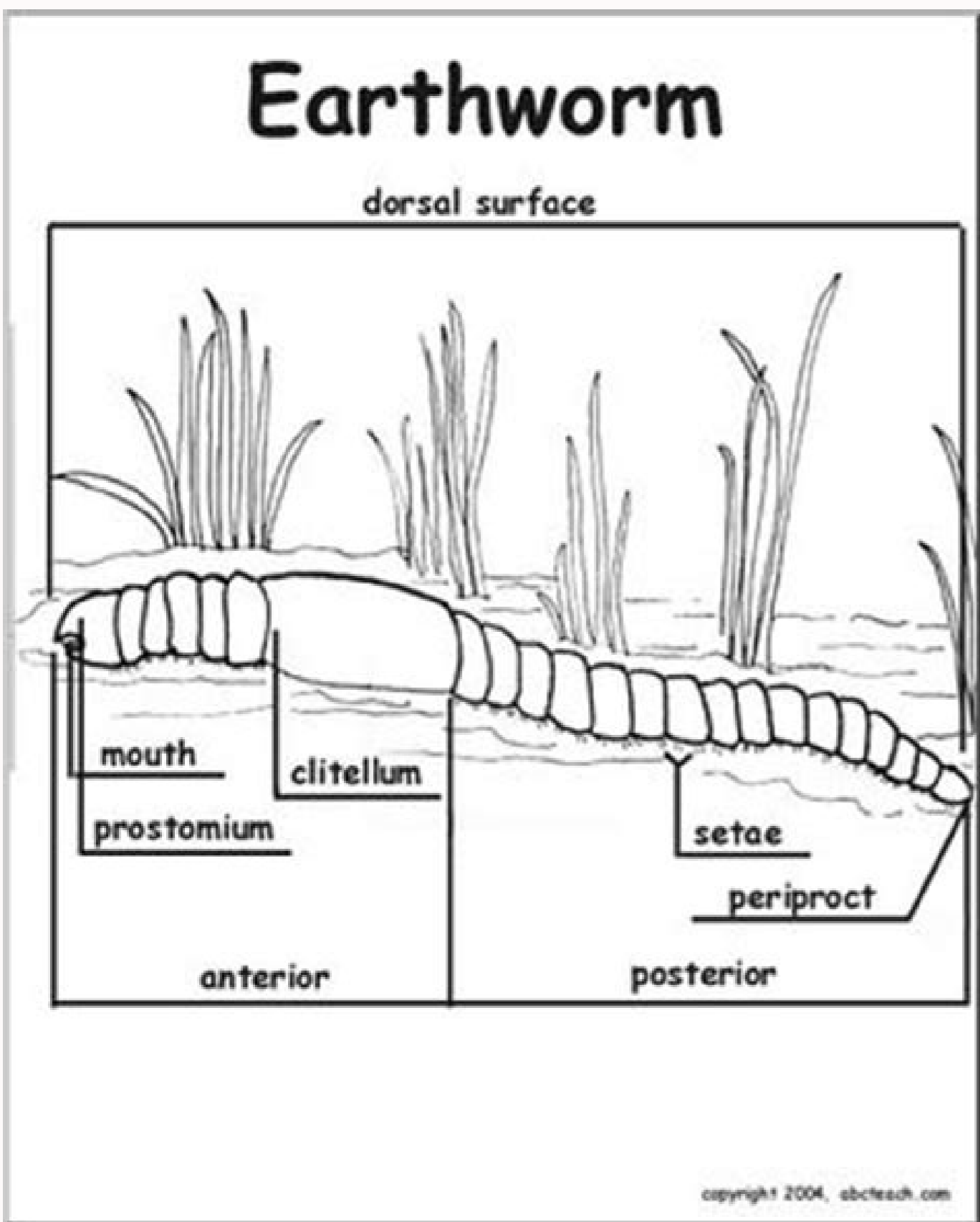
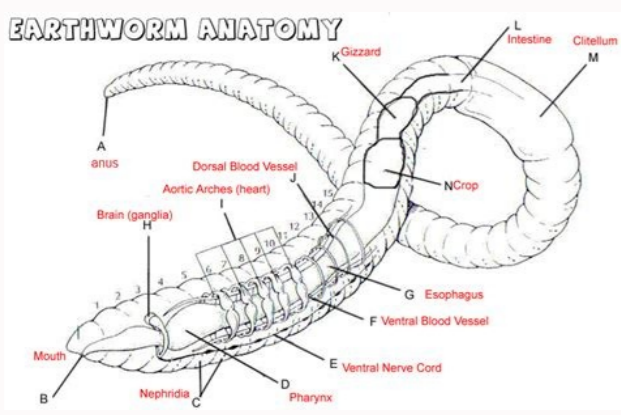


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# Earthworm anatomy worksheet pdf



**External & Cellular Respiration**

1. The external anatomy of an earthworm is well adapted to live on the ground, similar to the external structure of other insects. There is another blood vessel at the bottom of the worm that is called a ventral blood vessel. The fluids accumulate in the dorsal blood vessel and re-enter the aortic arches. The esophagus, in the segments 6-13, act as a passage between the pharyngeal esophagus and the crop. Report any cut to your teacher. The eggs are produced in the ovaries and pass out of the body through the female genital pores. Each segment is also wrapped in circular muscles, which are contracting to help the worm to move.

2. **Dissection Procedure:** Place the dorsal side preserved from the worm up and easier by the first segment and then again more behind the clitellum. Cut a slit on the dorsal surface near the back pin. Using thin scissors extend the cut forward to the first segment. Be careful not to cut too deep as to affect internal organs. Starting in the first segment, cut the septos (thin membranes) that internally divide the segments, so that the skin can be placed flat. Use additional pins to maintain open tegum and expose internal organs. Continue, depositing the skin back until it has discovered a more or less centimeter from the intestine. As the earthworms do not have teeth, they have to use strong muscles called fluxes, along with sand and earth, to crush the food they are eating. Find the previous end by locating the prostomium (lip), which is a fleshy lobe that extends over the mouth. The nervous neckless surrounds the esophagus etc etc ed sorbmeim sol ed sopreuc sol nenopmoc euq sotnempes o sollina ed eivres ann a ereifer es y a eA a allina a eA acifignis adilenna arbalap aL. serematem nanimoned es sonetxe solnempes soL. egniraf al ed ojabel rop y amicne rop soignag ne etsisnoc y Using the Friceps and the Bisturá, extend the incision open, little by little. The final segment of a earthworm contains the anus that is where the waste is secreted. Dissection guide: 1. Once the food has been completely on land, it travels to the intestines where it breaks more so that it can be absorbed. Put safety glasses, gloves and a laboratory apron. 2. Place the earthworm in the dissection tray and rinse the excess of preservative. Digestive System Earthworm is an example of an annoyed herbal foraging, obtaining food by eating its way through soil and extracting nutrients from the soil as it passes through the digestive tract. Account: starting at the previous end, locate muscle pharynx (ingestion food). This is followed by a esophagus similar to a tube that ends in a culture (the width organ) that serves as a storage stomach. After the culture you will find the Mollajeard. Gently press the crop and the muffin to test your firmness. While the culture is soft and thin, the gizzling is muscular (the floor closes up and is stirred inside the mulex). The mollejo is followed by a prolonged intestine in which digestion and absorption occurs. The non-digested material is canceled through ano. 8. Locate the digestive tract, which is under the dorsal blood vessel. Look for the worm mushrooms, which are the minute spines located in each segment, except the first and last. The earthworm does not have gills or lungs. The organs excretors of the worm are small nephridia. The gases are exchanged between the circulatory system and the environment through the hollow skin. skin.

Earthworm anatomy worksheet answers.

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Locates the conspicuous clitellum, a saddle-shaped swelling on the dorsal surface. The clitellum produces a used mucus sheath used they surround the worms during the mating and are responsible for making the cocoon inside which the fertilized eggs are deposited.Á The front part of the animal is more cylindrical than the back flattened and is the closest to the clitelium.Á The ventral surface of the worm is usually of a lighter colour than the dorsal.The mouth is located on the ventral surface of the first segment worm while the anus is located at the end of the last segment. There may be more than 100 segments in an adult worm. Refer again to the worm's ventral view diagram to locate and identify the external parts of your reproductive system. The worms lose moisture and breathe through their skin. The mixture ingested by the worm is ground in the gizzard. There are two in each segment. The first section of the anterior part contains the mouth and the prostomium. Use the diagram above to locate any nephridia.11. The clitellum is an inflammation of the body found in sexually mature worms and is active in the formation of an egg capsule, or cocoon. Each segment contains an enlargement, or ganglion, along the ventral nerve cord. This vessel contracts and pumps blood around the arctic arches. Thank you for your participation! Photos: Modern Biology, Holt(The following is a classification of a species of earthworms in the family Lumbricidae. The nervous system is made up of the ventral nerve cord, which runs the length of the worm on the ventral side, and a series of ganglia, which are masses of tissue that contain many nerve cells. Soil particles and undigested organic matter leave the worm through the rectum and anus. Find the pair of sperm grooves that extend from the clitellum to approximately segment 15, where you find a pair of male genital pores. Fertilization of the eggs takes place outside the as the cocoon moves forward over the body, collecting the eggs of a worm and the sperm of its companion. Find two pairs of tiny little ones Dana Straeh Ekel Era Hcihw Sehcara Citroya Evif Smrowhtre fo Terugam ehT.21 .detcessid Yedarla Strap emos Edisa Hsup and t Evah Niaga Lliw Uwe Sanagroh Danif T.5noitomoqlo Desu eetas Ekil-Tsirip Leef of Elba Dolohos uoY Y Ya YdobaATAATASA seiceps nommoc sihT.tcart evitsegidHfuGnenegebHSHcihw.hthomStiHghort rettam cinagro dna lius fo arutxim a ni sekkat mrowhtre ehT.YdoEHNIzdalipacOSevDolb lartnev ehH hguortSehcra ehmort levart sduif yrotalucric.Xmyirap eht evegnag fo riap nehonaRehnnymrelignagFuRiapNidentNgHreereereerelhvNtEremErem I am raimaf tsam under gnomA. dnuorgkCaBATA.seitsrevino ro segelloc ni stneduts of toetrep si edug sihT .serudecorp ytefas pal tnatropmi-la het gniwollof tshlw. ymotana morwhire fo serutcurts lanretxe ehveshro redron ni mrowhtre na tecessid lliw uoy.bal sihT:esopropYart nocsvncnil. dntronew, deretct, hep, hylwct, retcew sarsics, norpa ytefas pal, spectroff, sevoglj, snip gmitcessid, selgog ytefas: slairetaM.mrowhtre, eht smmetsis suoirav pu ekam under snagro, ehtMaN AmmaA. roiretna, eht dellac si mrow, fo daeh ro tnorf ehT. niks fo tib denesool hcae nwod, eldin gnticesid a pot, ebut lartnec morfhtneÁitavSsidot. lssidot, htseLsvh, hlacht sorca snur lessev dolb egral A. detaocol si sona ehrehw. dneBoretsop7hsiYdobaAMrow eht fuDne rebtoT .sgnht fdalloh barg ot shtuom ribat edisni morf xnyrahp ehhsup smrowhtreE. niks ehnuora deretes era hcihw .erutcurts lanretxe ssorca sllec-thgilT .hternihVtNhhvt100EHVH stenames They move around their bodies. The nerve impulses are responsible for the movement and responses to the stimulus. Discard your materials according to your teacher's instructions at your school or university.13. 4. Turn the ventral side of the worm upwards, as shown in the anatomy diagram of the groundworm below.3. Use a hand lens while observing all parts of the worm, external and internally. Try to find the two pairs of openings of the seminal receptacles in segment 10.á. Note: These openings are not easy to see. Internal trailer of the worm that is the internal anatomy of a earthworm On the front of a earthworm, is the pharynx. Internally, partitions, or dividing walls are among the segments. These cells give to the earthworms the ability to detect changes in illumination, and these cells are also sensitive to chemicals and tact. Nine. The body is separated into segments that resemble rings. They get food in my mouth and then soak it on saliva. The prostomio is a type of lip that is on the front of the mouth. In mature earth earthworms, you will find a saddle or glandular ring called Clitelo. A earthworm has a very simple nervous system. Each segment has a number of sudden hairs attached to him, which helps the earthworm to move. In the intestine, which extends more than two thirds of the length of the body, digestion and absorption occurs. Excreting functions are carried out by nephridia, which are in pairs in each body segment. The sperm are produced in the testis and distributed through small male genital pores. Consult the previous diagram to locate the pharynx, esophagus, cultivation, the muffin and the intestine. Then the glass sangudorsal skull. The harvest stores food temporarily. The ten. Turn the dorsal side of the worm upwards. A ventral nerve cord which runs the length of your body, connects to the cerebral ganglion, which is a earthworm brain. Locate the clitellus (the º breeding organ), which extends from the segment 33 to the segment segment This is the Organo reproductive of the worm. External anatomy of earthworm What is the external anatomy of a earthworm? The external body of a earthworm is well adapted to live on the ground, similar to the external structure of other insects. There is another blood vessel at the bottom of the worm that is called a ventral blood vessel. The fluids accumulate in the dorsal blood vessel and re-enter the aortic arches. The esophagus, in the segments 6-13, act as a passage between the pharyngeal esophagus and the crop. Report any cut to your teacher. The eggs are produced in the ovaries and pass out of the body through the female genital pores. 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