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Most people can recognize cockroaches instantly. They are brown or black insects that are usually between half thumb and two long thumbs (12-50 millimeters), minus their long antennae. Their heads point down, almost as if they were built to reappear. Males usually have wings, but females often don't. Those who usually have vestigial wings - small wings not develop that often do not allow the cockroach to fly. Although their reputation often distinguishes them, cockroaches have much in common with other insects. Their bodies have three primary regions - the head, the chest and the abdomen. They have three pairs of jointed legs, a pair of antennae and a rigid exoskeleton. Cockroaches pour their exoskeleton, or suits, several times during their lives. After the Molting, most cockroaches is white and easily wounded until a hormone called Bursicon causes the obscurity of the exoskeleton and hardens. Sometimes, a cockroach can re-cultivate a lost limb when died and even removed the bike to allow the new limb of growth. Roaches' Heads House eyes, antennae and hatch. Contrary to popular perception, their heads also host their brain. However, much of their activity of the nervous system takes place in the nervous ganglia situated in all their bodies. This is one of the reasons why a homeless cockroach can live for more than a week. The other is that the cockroaches do not breathe through a nose or a mouth. Instead, they attract air through spiracles or holes in their sides. The Tubes called Tracheae deliver oxygen from the spiracles to the organs and tissues. When a homeless cockroach finally dies, he dies of thirst. Although it is not a distinctive like the eyes of dragonflies or shallots, the eyes of cockroaches are composed and are made of photoreceptor cells called homommatidia. A hard ring called eyepiece sclerite surrounds photoreceptors. Due to this composed structure, cockroaches see the world as a mosaic. Antennemovi, also known as an antenna flagella, allow cockroaches to feel and feel the world around them. Although the antennae look like the wires, they are really made of a lot of tiny segments and covered with hair. These segments are brief and more thick near the roach head, and are longer and more subtle near the tips of tips.roaches, like those of other insects, are significantly different from mammalian mouths. However, many hatchers serve the same function as parts of a mammal's mouth: Labrum Labrum and Labium Lips.Two Mandibles have cutting and grinding surfaces like the teeth.two maxillae manipulates food while the roach chews. Roach The attachments for three pairs of legs and, if the cockroach has them, two pairs of wings. Each of the three pairs of legs takes its name from the chest region to which it sticks: the prothoracic legs are closer to Roach's head. These are the courtyard legs of the Roach, and behave like the brakes when the cockroach flows. A part of the prothoracic also covers the roach head. The central legs are mesothoracic legs. They move back and forth to accelerate the scribble or slow it down. The very long metal legs are the rear paws of the roach, and move the roach forward. Using his metathoracic legs, a cockroach can move about 50 body lengths in a second. A human shift that would quickly run about 200 miles per hour. When a cockroach runs quickly, sometimes he gets up and runs only on his back legs. The force of the air that meets keep it right. These three pairs of legs have substantially different lengths and functions, but they have the same parts and move in the same way. The upper part of the leg, called Coxa, attacks the leg Chest. The other parts of the approximate parts of the legs of a human leg: the trochanter acts like a knee and let the trick bend the leg. The femur and the tibia resemble the thigh and Shin Bones.The Segmented Tarsus acts like an ankle and a foot. The tense of the hook also helps the cockroaches to climb the walls and walk each other on the ceilings. Each leg moves up and down as a pogo stick and back and forth as a a The front and back legs on one side move at the same time as the central leg on the other side. In this way, the cockroach can move on almost all the land. When a cockroach is running the fastest possible, his legs move back and forth about 27 times per second. When he runs upside down on a ceiling, it takes longer passages in an attempt not to fall. In fact, it takes significantly energy for a truck to run up at a head rather than run on a vertical wall. The most abdomen insects have a segmented abdomen that contains most of their internal organs and cockroaches are no exception. Inside the abdomen of a roach, a heart similar to a tube moves blood to the organs and tissues. Unlike human blood, the blood of a roach does not use hemoglobin to carry oxygen, so it is colorless rather than red. Blood does not travel through a wide circulatory system. Although an aorta brings blood to specific organs, most of the blood travels through a network of Hemocoel called spaces. The cockroaches also preserve fat a little different than people. Instead of spreading it for most of their physical structure, they memorize it in a centralized position called Body Fat. The Roach digestive system is located in its abdomen, and most of it resembles a simplified version of a mammal's digestive system. However, the digestive system of a roach has some changes that leak cellulose and other resistant materials. One of these is a harvest, which holds the food swallowed until a digestion section of the digestive tract, called Proventriculus, can pulverize it. Saccus called the Ceca gastric adomino curtains enzymes and microbes that continue to digest food. This extra digestive aid is particularly important if the cockroach eats cellulose or wood. Only after the material is completely divided, the roach's Midgut can absorb food nutrients. Request for segment Cerci are located on the outside of the bottom of the abdomen of a roach. These antennae rather resemble and can behave as sensory organs. A nerve inside the Roach allows you to detect the movement of the air around its cerci. This is a reason why cockroaches can move very quickly if you try to capture or crush them. Reproductive systems. Roaches are also found in their abdomen. We will watch this system and the Cockroach life cycle. URL of this page: Video Anatomy (National Medicine Library) Even in Spanish information on this site should not be used as a substitute for professional medical care or advice. Contact a health care provider if you have questions about your health. The anatomy is the study of the parts of the body. Physiology is the study of how these parts work and work together to support life. Specialized educators in teaching these arguments are known as teachers of anatomy and physiology, and can teach the upper or post-secondary level. To become an anatomy and physiology teacher, it is necessary to meet certain requirements of education and certification. A university education is essential for all teachers of anatomy and physiology. Educators must have at least one degree to teach high school or university students. Most aspiring anatomy and physiology teachers choose to complete a teacher preparation program that allows them to be greater in science, biology or a related content area. Programs like this typically include education courses, children's psychology, curriculum development, teaching methods, anatomy, physiology, and general science. Some states require teachers of anatomy and physiology to have a master's degree to teach the level of high school. A master can also be asked to educate community universities. Educators who would like to teach college anatomy and physiology or four-year universities usually need a doctorate in their field. Some post-secondary institutions also prefer professors to have a previous work experience. This experience could be acquired by working as an educational assistant, high school teacher, researcher or or professional. If you hope to teach anatomy and physiology in a public high school, it is necessary to be authorized by the State it is expected to teach. Licensing, also called a teacher certification, qualifies to students teach in 7 Å ° through the degrees 12 Å °. Certification rules vary from state, but generally require overcoming a general exam, as well as a subject exam that tests your knowledge of science, anatomy and physiology. To encourage more people to become teachers, all states offer alternative paths for certification. These routes are designed for individuals who have a degree in a different sector than training or teaching sector. Although alternative certification programs can vary in state, they usually include some education in teaching methods and child development, and can include a teaching experience of students under the supervision of a more experienced and completely certified teacher. With Chron Collaborator updated October 02, 2020 professionals working in anatomy and physiology careers deal with the body and its parts and functions. There are various jobs related to anatomy and physiology, as these subjects are the basis for medicine, forensic science, therapy, pharmaceutical industries and biomedical research. Depending on work, anatomy and physiology careers can request relatively a few years of school or many years of rigorous study. Doctors diagnose and treat diseases and injuries. They analyze patients, review their medical stories, advise drugs and behaviors and analyze diagnostic tests. Surgeons conduct operations to injuries to treat and diseases. Doctors sometimes improvement and specialize in sectors such as anesthesiology, family medicine, pediatrics, dermatology, obstetrics and gynecology. The doctor Medscape Report Compensation 2019 lists the earnings from the specialty. Salaries vary from an average of \$ 236,000 for specialists in diabetes and endocrinology to an average of \$ 482,000 for orthopedic surgeons, making doctors who specialize the most paid among workplaces related to anatomy. Generally, doctors earn a bachelor s diploma in life sciences, one of the graduation majors that require anatomy and physiology. Expiring doctors then attend four years of medical school, and complete three to eight years of internship and training of residence. They must also pass American Medical Licensing Examination be licensed. The average annual salary for doctors and surgeons was \$ 208,000 starting in 2019, according to the United States Bureau of Labor Statistics. Median salary means in the profession earned more, while half has earned less. Nurse recorded manage and give patient care. They comment on patient records, provide medicines and care, run Doctora s orders, assistance in the realization of diagnostic tests, and educate patients and their families about disease management. Nurses can have specializations to become a nurse dependence, cardiovascular nurse, intensive care nurse, genetics nurse, nurse neonatology, nephrology nurse, rehabilitation nurse and advanced nurse practice. Aspiring rns can pursue a diploma from an accredited care program, or a bachelor s degree in nursing associateA € s or. Both are major that require courses of anatomy and physiology. Diploma programs generally offer hands-on training and are associated with a hospital or medical structure. Most nurses pursue the degree, which studies more in-depth deals of science and leadership, along with all the needs of degree courses and of the connected. Registered nurses are also required to have a license by passing the National Licensure exam Council. The average annual salary of nurses was \$ 73,300 in 2019, according to the United States Bureau of Labor Statistics. Professional therapists help patients recover and improve the skills needed for daily life and work. They establish treatment plans by observations about their patients. This includes include With specific objectives the patient must achieve. Occupational therapists can also control the home or workplace of their patients to determine the necessary changes that will help recovery and daily activities. They have also educated family members of their patients and employers on ways to take care and assist patients. Occupational therapists must have a degree of a master, and although certification is not required, sometimes they take the National Council for the certification of the examination of the professional therapist. Based on the BLS report, the annual median salary gained was \$ 72,320 in 2010. Physical therapists help rehabilitate and treat patients with chronic wounds or conditions. They help patients recover, manage pain and improve their movement. Their duties include the diagnosis of the dysfunctional movements of the patient, creating treatment plans, using exercises, therapy and practical equipment. Physical therapists teach patients and their families about expectations and guide them with coping strategies during the recovery period. They must earn a doctorate in physical therapy, complete a residence program and exceed the examination of national physical therapy. According to the u.s. Bureau of Labor Statistics, their annual median salary was \$ 84,950 in 2019. Paramedics mainly provide assistance to patients during an emergency situation. They respond to the 911 calls, determine the patient's condition and planning a treatment course. They guarantee the safety of their patients during transport and transfer to the emergency room and report their observations for medical personnel. Furthermore, reports containing information on all medical care that have provided to their patients. Paramedics must have a high school diploma and cardiopulmonary resuscitation certification. They can complete formal training in emergency care at community colleges or technical institutes. Furthermore, they must obtain certification through the national registry of emergency medical technicians. U.s. Bureau of Labor Statistics reported a median salary 2019 for paramedics and emergency medicine technicians (EMT) to \$ 35,400. \$ 35,400.

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