Unit 2 Test Review:

Medical Technologies & Tissues

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| Match the medical technologies:  Xray  CT Scan  MRI  Ultrasound  EEG | a. High energy radiation can penetrate tissues and strike a photographic plate.  b. Surrounds the body with a magnetic field, then sends radio waves to sense pulses from soft tissues.  c. Measures small electrical currents from neurons inside the brain.  d. Uses X-rays that rotate around the body and easily shows soft tissues.  e. Sound waves are transmitted directly through skin and echoes are detected and mapped. | | | | | | | What is *radiodensity*?  Put the following in order from low to high radiodensity:  (*blood, liver, bone, air, fat, muscle*) |
| Explain the difference between the 3 types of junctions for cells and give an example for each. | | | | | | | | Name 4 functions of epithelial tissue:  1.  2.  3.  4. |
| Draw a simple squamous epithelial tissue: | | | | | Draw a stratified cuboidal epithelial tissue: | | | Draw a pseudostratified columnar epithelial tissue: |
| What are goblet cells? | | | | | How do endocrine & exocrine glands differ from each other? | | | |
| What are goblet cells? | | | | | Draw a compound tubular exocrine gland: | | | Draw a simple acinar exocrine gland: |
| Match the epithelial tissue to its location in the body: | | | | | | | Name the 5 types of connective tissue: | |
| Simple Squamous  Simple Cuboidal  Simple Columnar  Pseudostratified Columnar | | | | a. Lines digestive tract  b. Lines respiratory tract  c. Ducts & glands  d. Airsacs of lungs | | |
| What is the main function of connective tissue? (one word) | | | | | What is another name for bone? | | | What is the function of areolar tissue? |
| What are the 3 types of cartilage?  Tell where each is found:  1.  2.  3. | | | | | How are tendons different than ligaments? | | | What 2 functions does adipose tissue serve? |
| Where in the body do we find reticular tissue? | | | | | What is the main function of muscle tissue? (one word) | | | Define *peristalsis*. |
| Match the muscle tissue to its description:  Skeletal  Cardiac  Smooth | | | A. Nonstriated & involuntary  B. Striated & voluntary  C. Striated & involuntary | | | | | What are *intercalated discs*? |
| Identify the tissues:  Smooth Muscle.JPGCardiac Muscle.JPG  Skeletal Muscle.JPG  Neuron.JPG | | | | | | Label the neuron: | | |
| What is the main function of nervous tissue? (one word) | | Compare fibrosis to regeneration. | | | |