Unit 2 Test Review:

Medical Technologies & Tissues

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| Match the medical technologies:XrayCT ScanMRIUltrasoundEEG | 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 SquamousSimple CuboidalSimple ColumnarPseudostratified Columnar | a. Lines digestive tractb. Lines respiratory tractc. Ducts & glandsd. 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:SkeletalCardiacSmooth | A. Nonstriated & involuntaryB. Striated & voluntaryC. Striated & involuntary | What are *intercalated discs*? |
| Identify the tissues:Smooth Muscle.JPGCardiac Muscle.JPGSkeletal Muscle.JPG Neuron.JPG | Label the neuron: |
| What is the main function of nervous tissue? (one word) | Compare fibrosis to regeneration. |