

Imaging the Body

Fall, 2005

Study Questions #1

Human Anatomy Chapter 1 and 2, These are due Monday, Oct 3rd at the beginning of class. **Write your answers neatly and legibly on a separate piece of paper that you will turn in.** Be prepared to discuss your answers. You may need to access outside resources to completely answer these questions.

1. A friend is complaining of a pain in her abdomen. She indicates the right upper quadrant as the locus of discomfort. What organ(s) might be involved?
2. Why does a muscle cell contain a lot of mitochondria and a white blood cell contain many lysosomes?
3. Exposure to tobacco smoke immobilizes cilia and they eventually disappear. How might this effect account for the fact that smokers have an increased incidence of coughing and respiratory infections?
4. What process is involved when you get wrinkly fingers and toes from being in hot tub too long? How does the water in the hot tub compare to the water in your body in terms of water concentration? Which way is the water moving? Explain what's going on.

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