	NameNo <u>The Human Body</u>							
<u>Vocabulary</u>								
bones	The human body is organized in levels that range from microscopic - a single cell - to huge - the body as a whole. The order of the levels of organization from smallest to largest is as follows:							
muscles	cell > tissue > organ > organ system > organism							
blood vessels	The cell is the smallest unit in the human body that carries out all life functions. Groups of							
heart	similar cells that work together to carry out a function form tissues. The four basic types of tissues in the human body are epithelial tissue (covers the outside of the body and lines organs), connective tissue (supports or joins other tissues), muscle tissue (shortens and							
kidney	relaxes), and nerve tissue (sends and receives electrical signals). Organs are made of two or more kinds of tissues. Each organ carries out one job or group of							
liver	jobs. Organ systems are groups of organs that work together to carry out major tasks such as circulation, waste removal, and digestion.							
stomach	The human body has eleven main organ systems: immune – circulatory – nervous – respiratory – digestive -							
intestines	reproductive – endocrine – integumentary - muscular – skeletal - excretory							
brain	CACICLOI Y							
lungs								
skin								
organ								
organism								
cell tissue								
epithelial								
connective								
nerve	The Human Body							
circulation								
excretory								
digestive								

Heart Rate

Exercise and Your Pulse

If you check your pulse while you're exercising or immediately afterwards, it may give an indication of your fitness level.

Most adults have a resting heart rate of 60-100 beats per minute (b.p.m).

The fitter you are, the lower your resting heart rate is likely to be. For example, athletes may have a resting heart rate of 40-60 b.p.m or lower.

To find your pulse in your wrist:

- •hold out one of your hands, with your palm facing upwards and your elbow slightly bent
- •put the first finger (index) and middle finger of your other hand on the inside of your wrist, at the base of your thumb
- •press your skin lightly until you can feel your pulse if you can't feel anything, you may need to press a little harder or move your fingers around
- •using a stopwatch, count the number of beats in 15 seconds and multiply it by four to get your b.p.m (beats per minute)



- 1. Check you heart rate at rest.
- 2. Check your heart rate after 30 seconds of hard exercise.
- 3. Check your heart rate at one minute intervals up to five minutes.
- 4. Record the data in the table.
- 5. Transfer your group's data on to the graph.

Your Heart Rate

1						
bpm						