WELCOME

To: A. Linwood Holton Governor's School;
Our nation's first Interactive Virtual School
You are about to begin an educational experience that
uniquely belongs to Southwest Virginia. I am very
happy to have you in Anatomy and Physiology class
this year. Karen Webb Smith, Instructor



Mrs. Karen Webb Smith: Instructor

Anatomy & Physiology

A. Linwood Holton Governor's School

The following slides will inform you of guidelines for our class.

MEMORIZE:

- 1. Your LearnLinc Password
- 2. www.hgs.k12.va.us Anatomy page - format for writing lab reports, chapter reviews, & power point slides
- 3 Pageout addy & password http://smithka.pageout.net
- 4. Mrs. Smith's email addy: ksmith@hgs.k12.va.us
- 5. telephone # 276-619-4351

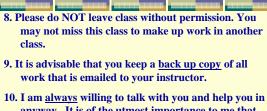
IMPORTANT TO REMEMBER:

- 1. Be on time to class. Always keep headset on and mic over your mouth during class.
- 2. At the beginning of class everyone should textchat a greeting. This lets your instructor know that you are ready for class.
- 3. All assignments are to be emailed to ksmith@hgs.k12.va.us and MUST be received on time.
- <u>ALWAYS</u> look for a reply from me that I received your email and the assignment. No reply means I did not receive your email.

4. Labs can be done with a partner, but lab reports
MUST NOT be identical. Data could possibly be alike;
nothing else. Always write your lab report according to
the lab report format directions on the Governor's School
webpage (look at the Anatomy webpage/Class CD). Late
Lab Reports will have 10 points deducted per day. After 3
days late the grade will be 0. This will be enforced.

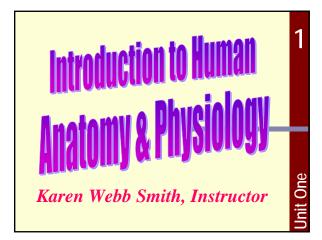
5. If you miss class it is your responsibility to make-up tests & assignments. You can watch class archives.

- 6. Please remember that this is a college class. You will receive 8 hours of college credit for this class. Please advise your instructor by email of any absences from class. If you miss a test you are responsible for making it up.
- 7. The Governor's School expects that each student will take tests and do <u>all</u> assignments without the aid of any outside influence. Submission of tests and assignments is your declaration of honesty.



10. I am <u>always</u> willing to talk with you and help you in anyway. It is of the utmost importance to me that your participation in the Governor's School is a positive experience. KSMITH





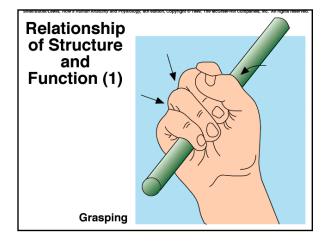
***ALWAYS read the case studies and clinical applications in each Chapter. Questions from these will be on tests.

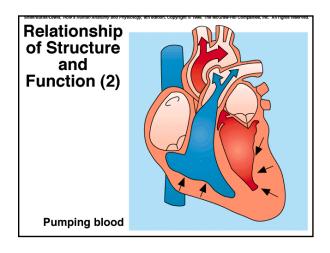
I. Introduction

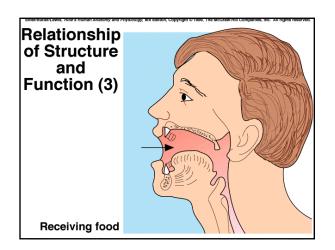
- A. The earliest studies of anatomy and physiology probably dealt with treating illnesses and injuries.
- B. Early healers relied on superstitions and magic.
- C. Later, herbs were used to treat certain ailments.
- D. Eventually, the stage was set for the development of medicine with standardized terms in Greek and Latin.

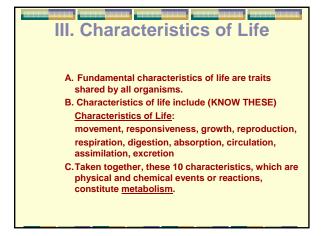
II. Anatomy and Physiology

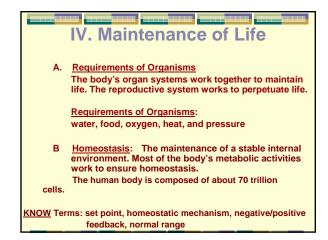
- A. Anatomy deals with the structure (morphology) of the body and its parts.
- Physiology studies the functions of these parts.
- C. <u>Anatomists</u> rely on observation while <u>physiologists</u> employ experimentation.
- D. The functional role of a part depends on how it is constructed.

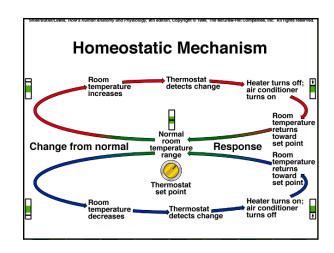


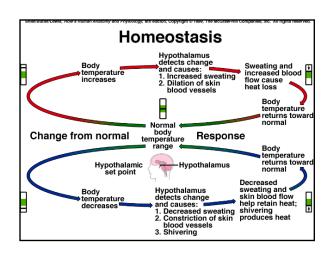


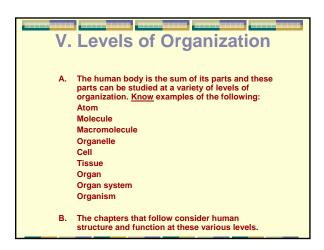


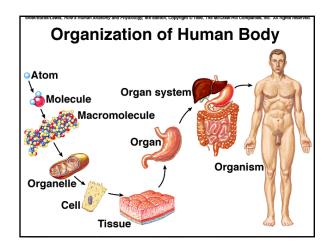


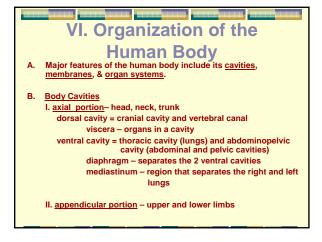












C. Thoracic and Abdominopelvic Membrane - membrane - a thin pliable layer of tissue covering surfaces, separating or connecting regions, structures, or organs of an animal or plant. (Webster) ****Serous membranes line walls of thoracic & abdominal cavities & fold back to cover the organs within these cavities. They secrete serous fluid. *parietal – (Latin) wall (membrane lines the wall of a cavity) *visceral – (Latin) organ (membrane that covers an organ) *pleura - (Latin) lungs *pericardium - (Latin) heart *peritoneum – (Latin) abdomen <u>parietal pleura</u> – membrane which lines the walls of the right and left thoracic compartments which contain the lungs visceral pleura - membrane which covers the lungs (pleura) parietal pericardium – lines the wall of the pericardium that contains the heart visceral pericardium - covers the heart parietal peritoneum - lines the wall of the abdominopelvic cavity visceral peritoneum - covers each organ of the abdominopelvic cavity

