

- 205 Ventilation-Perfusion Relationship. 2 Cassettes. 45 Min. 25 Slides  
Includes a discussion of oxygen transport from air to tissues, hypo-ventilation, shunt, ventilation-perfusion inequality including regional differences in the normal lung and effects of uneven ventilation and blood flow on overall gas exchange.
- 206 Gas Transport to the Periphery. 2 Cassettes. 45 Min. 29 Slides  
A discussion of hemoglobin, the oxygen dissociation curve and the factors which shift it, carbon dioxide dissociation curve, acid-base status of the blood, and blood tissue gas exchange.
- 207 Mechanics of Breathing. 2 Cassettes. 58 Min. 35 Slides  
Includes muscles of respiration, elastic properties of the lung, compliance, surface tension, regional differences in ventilation, airway closure, airway resistance, dynamic compression of the airways, work of breathing.
- 208 Control of Ventilation. 2 Cassettes. 46 Min. 20 Slides  
A discussion of the factors determining the rhythmicity of breathing, respiratory centers, ventilatory response to carbon dioxide, oxygen and pH, reflexes from the lung and chest wall, control of ventilation during exercise, and abnormal patterns of breathing.
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#### AMERICAN SOCIETY OF BIOMECHANICS

To stimulate research and encourage communications and cooperation in the field of biomechanics, the formation of the American Society of Biomechanics is proposed. Regular meetings will be structured to allow an exchange of information and discussion among those engaged in applying the principles of mechanics to biological problems. A working committee consisting of Richard A. Brand (Medicine); Don B. Chaffin (Ergonomics); F. Gaynor Evans (Biology); James G. Hay (Physical Education); and Albert B. Schultz (Engineering) is investigating the details of forming the Society. Persons actively engaged in biomechanics research and publication are asked to indicate their interest by contacting Gary L. Soderberg, Physical Therapy, The University of Iowa, Iowa City, Iowa 52242.