

Name _____

AP BIOLOGY EXAM THREE

FREE RESPONSE QUESTION

The evolution of circulatory systems allowed larger and more-complex animals to arise.

- (a) **Describe** the respiratory and digestive systems' specialized structures that facilitate the movement of oxygen and glucose into the circulatory system of mammals.
- (b) **Explain** how oxygen and glucose are transported within the circulatory system of mammals.
- (c) **Explain** the transfer of oxygen and glucose from the blood and into the active cells of mammals.