1. List the structures that air particles pass through on their way to

the alveoli.

2. What might be the effect of the following imaginary situations?

a) The covering tissue of your capillaries is much thicker.

b) Air-sac tissue is much thicker

3. For each of the terms below, explain the relationship that exists.

a) digestion, enzymes

b) nutrients, villi

c) enzymes, nutrients

d) digestion, peristalsis

4. Explain how the small intestine, which fits into a fairly small space in the body, manages to have such a large area of food absorbing surface.

5. Name the organs and cells of your circulatory system and describe what they do

6. What is the function of the excretory system?

7. What is urea and how is it formed?

8. If your water intake on a certain day were higher than usual, how would your body respond to this?

9. What is the role of the nervous system?

10. Describe the similarities and differences between the central and peripheral nervous systems.