BIOLOGY EXAMINATION

Name _____

1. Three groups of substances necessary to life in addition to oxygen and water are:

   1. _____
   2. _____
   3. _____

2. Give the names of three plant phyla and an example of each.

	Phyla	Examples
1.	_____	_____
2.	_____	_____
3.	_____	_____

Directions: Write a word or phrase that corresponds to each of the following:

1. Part of a cell that contains the chromatin. _____ 1.
2. Type of spermatophyte that has "naked" seeds. _____ 2.
3. Plant organ that anchors the plant. _____ 3.
4. Name of substance that acts as a catalyst in photosynthesis. _____ 4.
5. Part of the flower that produces the pollen. _____ 5.
6. Name of substance in blood cell that carries oxygen. _____ 6.
7. Scientific name for flowering plants. _____ 7.
8. Part of the brain that is the center of thought, sensations and will. _____ 8.
9. Name of the gland that coordinates the activities of the other glands. _____ 9.

Directions: Opposite each of the phyla listed below write the names of two examples from the list below. (If there are at least two examples given.)

1. Mollusks _____ _____
2. Chordates _____ _____
3. Porifera _____ _____
4. Echinoderms _____ _____
5. Arthropods _____ _____

   Coelenterate _____ _____

   Protozoa _____ _____

salmon	wasp	robin	lobster
coral	hydra	sea cucumber	turtle
oyster	kangaroo	paramecium	sand dollar
ameba	rabbit	jellyfish	earth worm
sponge	star fish	spider	clam
snail	hook worm	octopus	centipede

Directions: Match the items in list 2 with the appropriate digestive organ in list 1 by placing the number of the digestive organ in the space to the right.

List 1.	List 2.	
1. liver	hydrochloric acid	_____
2. mouth	insulin	_____
3. small intestine	absorption through villi	_____
4. stomach	bile	_____
5. pancreas	saliva	_____
6. large intestine	colon	_____
7. tongue	taste buds	_____

URANTIA BIOLOGY

1. Describe two ways in which life may be initiated on a planet by Life Carriers.

a.

b.

2. The source of the vital spark of life is _____.

3. Describe Briefly the life implantations on Urantia.
(Number, location, when.)

4. What evolutionary development took place gradually?

5. What were the two most important factors in plant evolution?

Directions: List an important biologic development that occurred, or was characteristic of, the following ages or eras:

a. Proterozoic _____ a.
b. Devonian _____ b.
c. Carboniferous _____ c.
d. Permian _____ d.
e. Cretaceous _____ e.
f. Eocene _____ f.
g. Pleistocene _____ g.