**Spring Semester Study Guide**

What body systems do the following organs go with? (Body Systems Foldable)

Brain Kidney Heart Stomach Artery Liver Thyroid

Lung Tibia Skin Blood Intestine

Give the function of the following body systems: (Body Systems Foldable)

Nervous (361) Skeletal (274)

Circulatory (325) Respiratory (297)

Digestive (306) Muscular (283)

What is a GMO? (NB 236)

Explain the relationship between DNA, chromosomes, and genes. (202, 235, NB Ch 4.5)

Do a Venn diagram comparing Meiosis and Mitosis, include type of cells they create, # of chromosomes (219)

Know the terms: dominant, recessive, genotype, phenotype, homozygous, heterozygous (NB Ch. 4.5)

Spongebob is known for his big Round eyes, he is heterozygous for his round eyes and he marries a girl with Oval eyes. Create a Punnett Square of a possible cross between Spongebob and his mate.

 List the possible genotypes:

 List the possible phenotypes:

 What is the probability of Round eye offspring?

What is an adaptation? (46, NB 244)

What is the big difference between asexual and sexual reproduction? (NB 216)

In the table below, describe how mosses/ferns, angiosperms, and gymnosperms reproduce. (NB 199)

|  |  |  |
| --- | --- | --- |
| Mosses/Ferns | Gymnosperms | Angiosperms |
|  |  |  |

List the 5 characteristics all living things share: (NB 193)

**WEATHER Chapter 3.8-3.10 in NEW book**

In the table below, describe conduction, convection, and radiation. (437-439)

|  |  |  |
| --- | --- | --- |
| Conduction | Convection | Radiation |
|  |  |  |

Tell the order of the atmosphere beginning with the layer closest to the earth. (Chapter 13)

 a.

 b.

 c.

 d.

Which layer do we live in?

Which layer of the atmosphere has the ozone layer?

Which layer of the atmosphere is where the meteors burn up?

Wind moves from areas of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to areas of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

What two factors can affect air pressure?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ describes the condition of the atmosphere at a particular time and place.

What causes the Coriolis effect?



