Seed Dissection Lab Sheet

Name ______________________________  Date ____________

Purpose:
To dissect a seed, identify the parts, and learn the function of each part.

Vocabulary Words:
seed coat: the protective covering that surrounds the seed
food supply: the material that feeds the baby plant
embryo: the baby plant

Essential Question: What is inside a seed? Write a hypothesis.

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___________________________________________________________
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Part One: Dry Seed Observation
1. Look carefully at the lima bean. Examine it with a hands lens.
2. Describe what you see. ____________________________________________________
__________________________________________________________________________
__________________________________________________________________________
__________________________________________________________________________

3. Draw the lima bean.
Part Two: Soaked Seed Observation

1. Use a hand lens to examine the soaked lima bean. Compare the soaked bean to the dry bean. What differences do you see? ____________________________________________
__________________________________________________________________________
__________________________________________________________________________
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2. Carefully remove the outside covering of the soaked bean. Gently pull apart the two halves of the seed. Examine each half with a hand lens. What do you inside the seed? _________________________________________________
__________________________________________________________________________

3. Draw what you see inside the bean.

4. Share your observations with your lab partner. Discuss the vocabulary words seed coat, food supply, and embryo with your partner. Find these parts of your bean. Label these parts on your drawings.

5. Where does the seed store its food? __________________________________________
__________________________________________________________________________

6. Was your hypothesis accurate? What can you conclude about the inside of a seed? __________________________________________
__________________________________________________________________________
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