Name: Key

6 Characteristics of Living Things Rotation Homework

Homework Directions: After each Rotation (see INB Pages 4 - 7), write one Level 1 and one Level 2 question and ANSWER them.

Input Rotation (see INB Page 4-5)

Level 1 Question: _____

Answer: _____

Level 2 Question: _____

Answer: _____

Output Rotation (see INB Page 6)

Level 1 Question: _____

Answer: _____

Level 2 Question: _____

Answer: _____

Questions and Answers will vary based on student creation

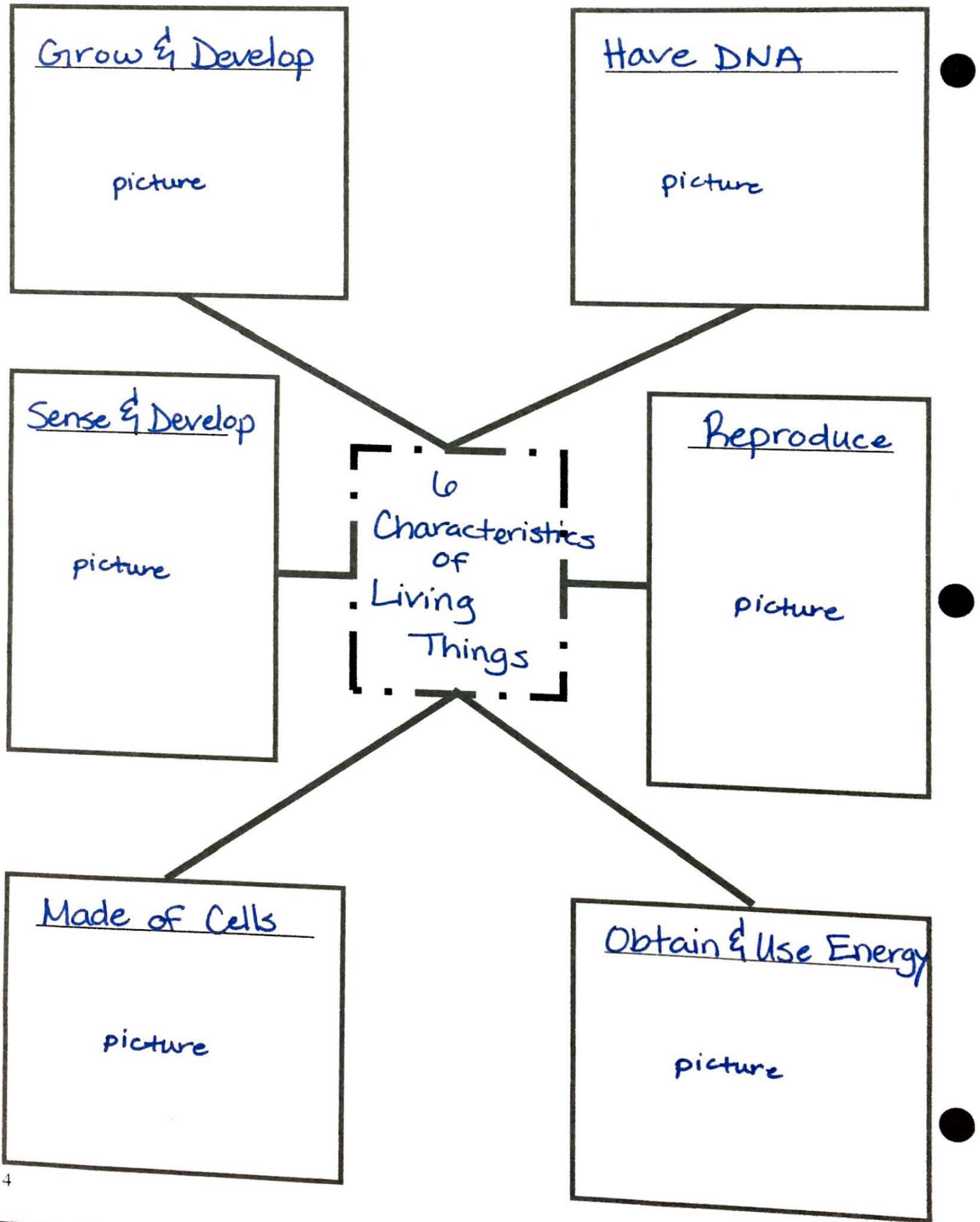
Reading Rotation (see INB Page 7)

Level 1 Question: _____

Answer: _____

Level 2 Question: _____

Answer: _____


Grow & Develop
picture
Have DNA
picture
Sense & Develop
picture
6 Characteristics of Living Things
Reproduce
picture
Made of Cells
picture
Obtain & Use Energy
picture

Name: Key Date: 8/21 - 8/22

6 Characteristics of Living Things Input Rotation

EQ: What 6 characteristics tell you if something is alive?

1. **Living things** grow **and** develop.
   - Every organism develops at a different rate.
   - During development, a single cell divides again and again.
   - After these cells divide they begin to look different from one another and perform different functions.

Ex. seeds to plants, caterpillars to butterflies

2. **Living things are based on a universal** genetic code.
   - All organisms store information they need to live, grow, and reproduce in a genetic code written in a molecule called DNA.

Ex. 

3. **Living things** sense **and** respond **to their environment.**
   - Organisms detect and respond to signals from their environment

Ex. sunflowers turn to the light, mammals grow thicker fur

4. **Living things are made up of** cells.
   - Organisms are composed of one or more cells.
   - Cells are the smallest living things.
   - Cells are complex and very organized.

Ex. Human cheek cells, blood cells, plant leaf cells

5. **Living things** reproduce.
   - All organisms reproduce, which means that they produce new similar organisms.
   - Some organisms have two parents (sexual reproduction) and others have just one (asexual reproduction)

Ex. baby birds have 2 parents

6. **Living things** obtain **and use** material **as** energy.
   - All organisms must take in materials and energy to grow, develop, and reproduce.
   - Chemical reactions breaks down materials in what is called Metabolism.

Ex. eating food, photosynthesis

Name: Key Date: 8/21 - 8/22

6 Characteristics Living Things Output Rotation

EQ: What characteristics do all living things share?

Station #	Evidence	What Characteristic do you think it could be?
1	Describe what you see. _____ _____ _____ Is there an action taking place? If yes, what is happening? _____ _____	
2	Describe what you see. _____ _____ _____ Is there an action taking place? If yes, what is happening? _____ _____	
3	Describe what you see. _____ _____ _____ Is there an action taking place? If yes, what _____	
4	Describe what you see. _____ _____ _____ Is there an action taking place? If yes, what _____	
5	Describe what you see. _____ _____ _____ Is there an action taking place? If yes, what is happening? _____ _____	
6	Describe what you see. _____ _____ _____ Is there an action taking place? If yes, what is happening? _____ _____	

Answers will vary

Drawing:

Name: Key Date: 8/21-8/22

6 Characteristics of Living Things Reading Rotation

EQ: What characteristics do all living things share?

Complete **Page 13** from your textbook below, using the Reading on **Pages 6-12**.

Lesson Review

Vocabulary

In your own words, define the following terms.

1 homeostasis

2 asexual reproduction

3 cell

Critical Thinking

Use the pictures to answer the questions below.

7 **Describe** What is happening to the birds in the picture above?

Key Concepts

4 **Explain** What is the relation[ship] stimulus and a response?

5 **Describe** What happens to [cells] sexual reproduction?

6 **Contrast** What are the differences between producers, consumers, and decomposers?

nutrients and energy allow in the picture to happen?

fish similar to an oak tree?

10 **Make Inferences** Could life as we know it exist on Earth if air contained only oxygen? Explain your reasoning.

Wording of answers will vary based on textbook reading.