

Name _____

Date _____

Actions

Environment

Interactions

Obstacles

U wonder?

Name _____ Date _____

Your goal is to discover what hens need in order to be great layers. You are collecting research. Use the boxes and bullets below to organize your information.

Resource:

Main Idea:

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Evidence:

1. _____

2. _____

3. _____

4. _____

Resource:

Main Idea:

Evidence:

1.

2.

3.

4.

TEACHER EXAMPLE

Resource: World Book Online

Main Idea:

Dragons require a heated den for sleeping.

Evidence:

1. A dragon's internal body temperature must be maintained at 425 degrees
2. Dragon's especially need a warm sleeping place to replenish the fire in their bellies during their rest period.
3. A dragon den temperature below 400 degrees can lead to indigestion issues for the dragon.
4. Wild dragons seek out active volcanoes to create their dens.

TEACHER INSTRUCTIONS for PART II

Write the following on the board: How might we...

Once the students have collected their research (they should access at least 2 different resources, and use two box and bullet templates), ask them to combine today's research and their previous observations (the AEIOU sheets) in order to consider what the hens most need. Encourage students to think of the *need* that must be satisfied, not a solution. Instruct them to ask two questions that encourage the design team to consider what needs must be met. For example, based on research and observations, *How might we keep our dragon warm? How might we maintain the dragon's internal temperature? How might we simulate a volcano?*

Give the students two Post-its to write their questions on. Place the Post-its on the board under your heading.

If time... work together to gather the Post-Its into categories. (Example: *Warmth, Privacy, Darkness.*)