Name: _____

CASE

ASA Presentation Notes

Unit: _2_____

Lesson Name: __2.2 Naming Animals_____

Presentation on: __Breed Recognition_____

Notes from Presentation:
What is a Breed
- A group of animals with common ancestors and distinguishing characteristic
- Developed through selective breeding (selecting animals for specific traits over several generations)

Breeds in Scientific Classification
- Sub-groups of a species
- Closely related and can interbreed (has been cultivated by man for certain trait, breeds true)

Why Develop Breeds
- Developed for specific purposes
- More efficient production
- Examples- dairy vs. beef cattle, race vs. draft horses, wool vs. meat sheep

Other Classifications
- Use or purpose based- work, meat, companion, fiber
- Anatomy based- number of legs, type of digestive system, body covering

Organizing Classification
- Dichotomous Key
  - Used to classify or sort groups of things
  - Offers choices in pairs, one of which is true and the other false

Using a Dichotomous Key
- 1st, select the true choice
- If that choice leads to another number or letter in the key, go to that place in the key and decide between the next 2 choices
- If the choice you make leads to a name, you have your organism

Making a Dichotomous Key
- Start by observing the group of objects to be used in the key
- List the most general traits that can be used to divide the organisms into categories
- Each step involves making a choice between 2 characteristics, these characteristics are grouped 1a and 1b, 2a and 2b, and so forth
- The statements need to lead to the observer to the next step to narrow the identification further
- Each step either identifies and names an object or gives directions as to where to go next in the key
- There should be one less step than the total number of organisms to be identifies in your dichotomous key

Example
1. The object is used for writing….2
1. The object is used for organizing….3
2. The object makes a gray mark …. pencil
2. The object makes a blue mark…. Pen
3. The object is metal…. Paper clip
3. The object is elastic…. Rubber band

ASA Reflection Page

List 5 key points that are important to remember from this presentation.

1. Making a dichotomous key

2. Using a dichotomous key

3. What is a breed

4. Breeds in scientific classification

5. Why develop breeds

List 3 ideas or concepts that this new information has in common with previous things learned.

1. Making a dichotomous key

2. Using a dichotomous key

3. Why develop breeds

List questions or ideas that remain unclear about the information presented that should be asked for clarity at the appropriate time.
N/A