

Introductory Logic

Worksheet 2

Name: _____

Lesson 2: Genus and Species

Directions: Answer each item on a separate sheet of paper by writing legibly or typing your response.

Define the Following Terms

1. Genus
2. Species
3. Mutually Exclusive
4. Exhaustive

Critical Thinking & Discussion

5. According to the author, what is the highest possible division of all things?
6. The highest genera of abstract ideas (such as logic) and verbs (such as *to run*) could also be explored. Why would abstract ideas require a different kind of hierarchy than physical objects?

Lesson 3: Extension & Intension

Define the Following Terms

1. Extension
2. Intension

Critical Thinking & Discussion

3. Why do misunderstandings often happen when people use broad, abstract words like *justice*, *freedom*, or *love* without explaining what they mean?
4. Is it more useful to think abstractly or concretely? Can you think of situations where each is helpful?

Lesson 4: Methods of Defining

Identify and Explain

Identify the three primary methods of defining terms and explain them.

1. Defining by _____
2. Defining by _____
3. Defining by _____ and _____

Critical Thinking & Discussion

4. Can two words ever have exactly the same meaning? Why or why not?
5. If someone defined a backpack as "something that carries books," what kinds of objects would incorrectly fit that definition?