

## Biology Essentials- Reproductive Isolation and Speciation Guided Viewing Worksheet

Name: \_\_\_\_\_

- 1: What happened with Diane Dodd and the fruit flies? *How did she create reproductive isolation?*
- 2: What is the definition a **species**?
- 3: What are the **two main types** of barriers in reproductive isolation?
- 4: What is **gene flow**? What is **reproductive isolation**?
- 5: What is **geographic isolation**? (Give an example).
- 6: What is **allopatric speciation**? (give an example)
- 7: What is **sympatric speciation**? (give an example)
- 8: What is **peripatric/parapatric** speciation? (give an example)
- 9: What are **pre-zygotic barriers**? Name the types of pre-zygotic barriers (explain each).  
(*Temporal, Mechanical, Behavioral*)
- 10: What are **post-zygotic barriers**? Name the types of post-zygotic barriers- give examples.  
(*Zygote Mortality, Hybrid Sterility*)
- 11: What is **polyploidy**? What happens? Where is this common?
- 12: What is the theory of **Punctuated Equilibrium**?