

Name: _____ Date: _____ Period: _____

Dogs and More Dogs

The True Story

(Modified for 50 minute class. Start video at 5:25)

1. What animal did dogs evolve from and how long ago did this evolution begin?
2. At Wolf Park, after taming several wolves, what is the next step in creating a tame “dog”?
3. What does Ray Coppinger believe wolves did that led to their domestication?
4. In your own words explain what Natural Selection is.
5. What determines the traits of dogs?
6. What is the genetic reason given as to why wolves could not be the ancestors of dogs with curly tails and patchy coats?
7. When “tame” foxes were bred, what was noticed by the tenth generation?
8. What was discovered to actually affect the genetic makeup of these foxes?
9. Ten thousand years ago, how did the appearances of dogs compare to each other?
10. What is regulatory DNA?
11. What is the “critical period of socialization” and how long does it last for dogs?
12. What is the negative outcome of breeding purebred dogs?
13. What is the downside of inbreeding?
14. What are dog breeders asking scientists to do?
15. Why is it easier to study dogs for genetic diseases than it is to study humans?
16. What is the main reason dogs have “behavior” problems as pets?