**Before Reading:** Briefly scan the assigned text. Then read the statements and select either agree or disagree. Write a prediction about what you expect to learn from reading the text.

**After Reading:** Reflect on the choices you made prior to reading. Provide an explanation using text evidence to support whether the choice you made prior to reading was correct or incorrect.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Before Reading** | | | **After Reading** | |
| **Agree** | **Disagree** | **Statement** | **Why was my choice correct?** | **Why was my choice incorrect?** |
|  |  | All living things “inherit” traits from their parents. | “All living things “inherit” traits from their parents.” |  |
|  |  | If one of these traits helps them survive longer, so that they can have more offspring of their own, with those same traits, they are selected. | If one (or many) of these traits, which they inherit from their parents, helps them survive longer, so that they have more offspring of their own, with those same traits-they are selected.” |  |
|  |  | Because of coal-burning in the 1900’s, the bark of trees in London became white as a result of the ash in the atmosphere. | “In the early 1900’s coal-burning was common in London, the air was thick with pollution. Coal smoke blackened the trees until their bark was dark brown.” |  |
|  |  | Genetic traits stay the same over time. | “Genetic traits may change over time to give a species the best chance of survival.” |  |
|  |  | Natural selection is breeding between closely-related individuals that have the most desirable traits is encouraged. | Natural selection is when over time desirable traits thrive while undesirable traits decline. |  |
|  |  | Genes determine traits. Alleles are forms of a gene. There are two types of alleles that form the gene, dominant and recessive alleles. | “Genes determine traits. An allele is a form of a gene. Each gene occurs in pairs. Each gens may occur in one of two forms.” |  |







