Science-7 Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_

Mr. Roach / Mr. Hintze

Notes for Bill Nye the Science Guy: Evolution

***Directions*** *– Answer the following questions as the video plays. The instructor will pause when necessary to allow time for writing.*

1. Are the offspring (*children*) of living things the same as their parents?
2. What happens every time living things make copies of themselves (*reproduce*)?
3. Despite external appearances, how do all living things compare when we look at their insides?
4. What were scientists able to create in a famous laboratory experiment where they exposed a “primordial soup” to heat and electricity?
5. What would you do to ensure your chances of survival on the “Planet of the Crabs”?
6. Why do giraffes have long necks?
7. What does a paleontologist study?
8. What effect have humans had on the ability of many species to survive?
9. How long ago did the *ammonite* live and what is its modern-day relative?
10. What do many scientists believe that dinosaurs evolved into? Why?
11. What happened to the giant ground sloth and saber-toothed cat?
12. The size and shape of living things can be changed by two processes. What are they?
13. How did Charles Darwin explain the variety of appearances of finches that he studied in the Galapagos Islands?
14. What body part do humans have that indicates a common ancestor with other primates?

Glossary of Key Terms

1. Evolution
2. Genes
3. DNA
4. Primordial Soup
5. Extinction
6. Fossils
7. Natural Selection
8. Artificial Selection