**STUDENT NAME:**

**Directions: Watch the “Review of pH scale”** [**video**](https://www.youtube.com/watch?v=Xkrgw2CFwRs) **and answer questions 1-3.**

1. What does the pH scale represent?

1. What’s the pH of blood?

1. As we move up numerically from one level of the pH scale to the next (i.e. 7 to 8), the scale goes up in basicity by a factor of what number?

**Directions: Read and review the pH scale** [**article**](https://drive.google.com/open?id=1R6cNGHGYoJr9tLIHim1IDn_B_Zg90Hc2) **and answer questions 4-5.**

1. What is the pH of hydrochloric acid (HCl) and what does it do for our bodies?

1. When HCl and Mg(OH)₂ react, what happens?

**Directions: Watch the “How to Make Biodiesel”** [**video**](https://www.youtube.com/watch?v=zj6fDDQrl3w) **and answer questions 6-8.**

1. What are some of the benefits of Biodiesel fuel?
2. What is transesterification?
3. What are FFAs? Do you want oils with a high FFA content or a low FFA content for transesterification?