Bird Review NAME. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. List the various functions that feathers perform. Remember, its not just about flight!

2. Are birds the only group of animals in which flight evolved? Explain.

3. Create a Venn diagram comparing and contrasting traits of birds and reptiles.

4. Descripe 5 adaptations of birds that are involved in making flight possible.

5. Describe 3 features that are shared between T. rex and chickens.

6. Bird wings contain bone, muscle, tendons, and cartiledge. Explain the general role of each tissue type, then explain how each aids in flight.

7. Describe the major differences between the hearts and circulation patterns of birds and non crocodilian reptiles.

8. Sketch and Describe 3 different bird foot structures. What does each foot type tell us about diet and habitat type?

9. Sketch and Describe 3 different bird beak structures. What does each beak type tell us about diet and habitat type?

10. The bird digestive tract has several structures that do not appear, or are modified in mammals.

What are they?

Why are they not needed in mammals?

11. Write a CER in response to the following prompt:

What conclusions did the discovery of Archeopteryx lead to about the relationship between birds and reptiles?

CLAIM:

EVIDENCE: (Identify 4 features of archaeopteryx, and briefly explain how each supports your claim.)

1.

2.

3.

4.

REASONING. (Shows how or why the observations count as evidence to support the claim.

• Provides the justification for why this evidence/feature is important to this claim.

• Includes one or more scientific principles that are important to the claim and evidence. IE. Homologous structures, transitional fossils.