

**AgScience Poultry Science Course**  
**Reproductive Anatomy and Egg Formation**  
**Problem Set**

1. Name the parts of the hen's reproductive system, the function of these parts, and the time spent in each part for the formation of an egg.
2. Name the structures of an egg and categorize each structure as protective, nutritional, or structural (a structure may have more than one function).
3. Describe, in detail, the role estrogen plays in preparing the hen's body for ovulation.
4. Explain the hormonal process leading sexual maturity and to ovulation in hens. Be specific.
5. Describe the process that leads to egg shell formation. How is this process effected by heat stress?