

#### 4-H Embryology in the Classroom Project

#### Worksheet One Answer Key: What is embryology?

#### Questions: Answer on your own sheet of paper.

1. What did you learn from the text you just read regarding embryology?  
Embryology is the study of how embryos grow and develop.
2. What is the ideal temperature for incubating and hatching eggs?  
The ideal temperature in a still-air ventilated incubator is 100 degrees.
3. What five factors are important for hatching eggs?  
They are temperature, humidity, ventilation, location of incubator, and turning the eggs regularly.
4. If you are not using an automatic egg turner, how many times per day should you turn each egg? Why do the eggs need to be turned?  
All eggs should be turned a minimum of three times per day.  
  
Turning each egg several times daily prevents the embryo from sticking to the shell.
5. Why should the eggs be ventilated?  
Ventilation from the incubator, provides oxygen for the embryo to develop while the gases given off by the embryo need to be removed.
6. How long do eggs need to incubate?  
Normal incubation periods for chickens are 20 to 22 days.