

Avian Bowl 2009 *EMBRYOLOGY* pages 185-186

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- 1) This egg has an incubation period of 35 days. What bird is this?
Muscovy duck
- 2) What is the incubation period for a goose? 28 Days
- 3) The Coturnix Quail have an incubation period of 21 days .True or false?
False It is 17 days
- 4) What is the incubation period of the guinea fowl?
28 days
- 5) This bird has an incubation period of 21 days. What bird is this
Chicken
- 6) What is the operating temp for a (dry-bulb) still air-incubator?
100.5 F.
- 7) I have a forced-air incubator. At what operating temp should it be set?
99.5
- 8) I am hatching ducks, what should the wet-bulb temp read, regarding my humidity?
84-86 F
- 9) At what point, do you stop turning the chicken eggs, while in the incubator?
Day 18
- 10) When incubating Muscovy eggs, what day do you stop turning them?
Day 31
- 11) Bobwhite Quail & Pheasant are incubating, on what day do you stop turning them?
Day 21
- 12) During the last 3 days of incubating all birds, should the wet-bulb temp be reading higher or lower than the previous days?
Higher
- 13) What is the incubation period for turkeys? 28 Days
- 14) What 2 considerations must you make, while selecting the proper location to place your incubator?
Free from drafts and direct sunlight
- 15) Before setting eggs in incubator, how long should it be set up and running?
24 hours
- 16) During the warm-up period, using a still-air incubator, the temperature should be adjusted to hold a constant temp. What is that temp?
102 F
- 17) To obtain reliable readings, at what height should the bulb of the thermometer be set?
The same height as the top of the eggs, and away from the heat

- 18) High mortality is seen, if the temperature drops below what temp?
96 degrees F
- 19) High mortality is seen, if the temp rises above what temp?
103 degree F
- 20) Overheating is more critical than underheating. True or false?
True
- 21) Many times, when the eggs remain clear and show no development, it is due to excessive heat during the 1st 48-72 hours, True or False?
True
- 22) After loading egg in the incubator, how long should you wait, before adjusting the temperature of the incubator?
48 hours
- 23) What percent should the humidity of the air within the incubator be, during the first 18 days?
60 percent
- 24) During the last 3 days of the incubation period, the relative humidity should be raised to what percent?
65-70 percent
- 25) Too much moisture in a large incubator will prevent what from happening, thus resulting in a decreased hatch rate.
Normal evaporation
- 26) During incubation, what condition causes chicks to stick to the shells?
Too little moisture, excessive evaporation
- 27) What can be done, to change the relative humidity in the incubator?
Changing the size of the water pan, or putting a sponge in to increase evaporating surface area.
- 28) When adding water to the incubator, what should the water temp be?
The same temp as the incubator
- 29) True or false. In the latter stages of incubation, condensation on the glass indicates the presence of sufficient moisture? TRUE
- 30) What do you use, to determine the relative humidity of the incubator?
A wet bulb
- 31) For the best hatching results, the atmospheric air should contain what percent oxygen?
21 percent
- 32) At hatch time, what should be done to prevent a deficiency of oxygen?
Make sure the ventilation holes are open to allow normal exchange of air
- 33) What can be done during incubating, to prevent the blastoderm from migrating through the albumen and sticking to the shell membrane?
Turn the eggs

- 33) How often should chicken eggs be turned, while in the incubator?
3-5 times daily
- 34) At what point, should the egg turning stop, while eggs in the incubator?
Do not turn eggs during the last 3 days of incubation
- 35) From what number day to what number day, are chicken eggs turned, while in the incubator?
From Day 2-Day 18
- 36) Why is it recommended NOT to open an incubator 3 days before the hatch date?
Chicks are in hatching position and the humidity must be maintained.
- 37) Hens will lay 2 eggs per day, if they are building a clutch. True or false?
False 1 egg per day
- 38) What is the usual number of eggs the hen lays in her clutch before setting?
Usually 8-13 eggs
- 39) What is the hen's body temperature?
107 degrees
- 40) When a hen is setting on eggs, what temperature are the eggs heated to?
100-101 degrees
- 41) While setting on eggs, how does the hen turn her eggs?
She uses her beak to scoop under the egg, and roll it toward her.
- 42) At what time of day do the brooding hens leave their nests to feed?
Dawn or dusk, when the dew is on the grass
- 43) How many days does it take, for a Japanese quail to hatch?
17 days
- 44) What is the incubation period for a pigeon?
18-20 days
- 45) How many days of incubation does the swan need before hatching?
42 days
- 46) What is the only mammal to lay eggs, and has incubation period of 12 days.
The Duckbill Platypus
- 47) Why is it recommended not to incubate the eggs of wild birds?
The chicks will not live without their mothers care.
- 48) Spell blastoderm
- 49) Spell duckbill platypus
- 50) Spell incubation

