

3. Answers will vary. In general, use of sophisticated testing technology is needed, along with the availability of genetic profiles of the species in question.

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1. In general, it is not possible to determine parentage based on visual evidence only.

2. Answers will vary. Barring the presence of unusual visible traits, it is not possible to see genetic manipulation based on visual evidence only.



1. Is it possible to determine if these chickens belong to the same brood (share the same mother hen)? Explain your answer.
2. How might you determine from the picture if the chickens have been cloned or genetically engineered in any way?
3. If you had access to these chickens, how might you distinguish the ones that had been bred naturally from those that had been genetically engineered?