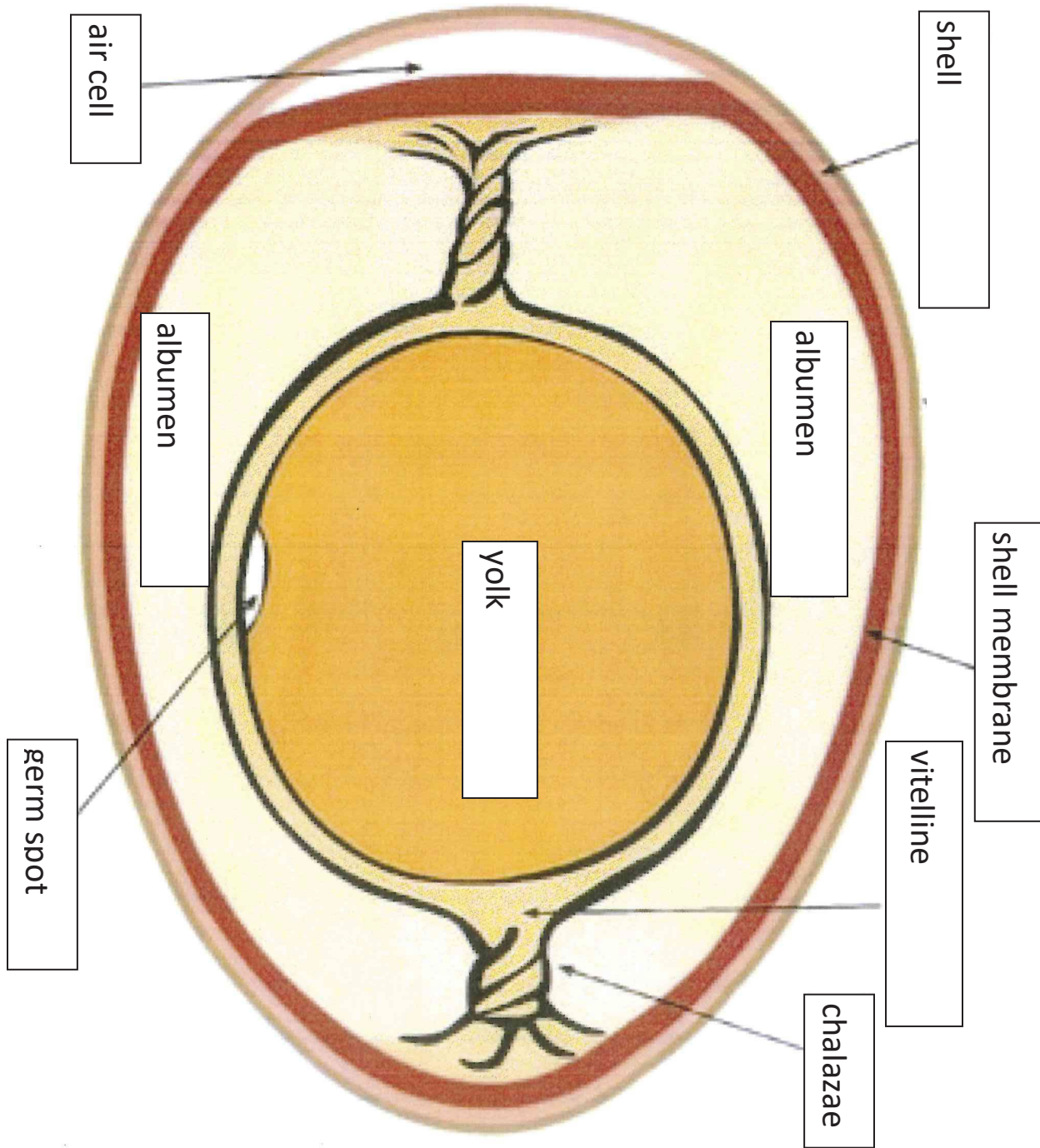


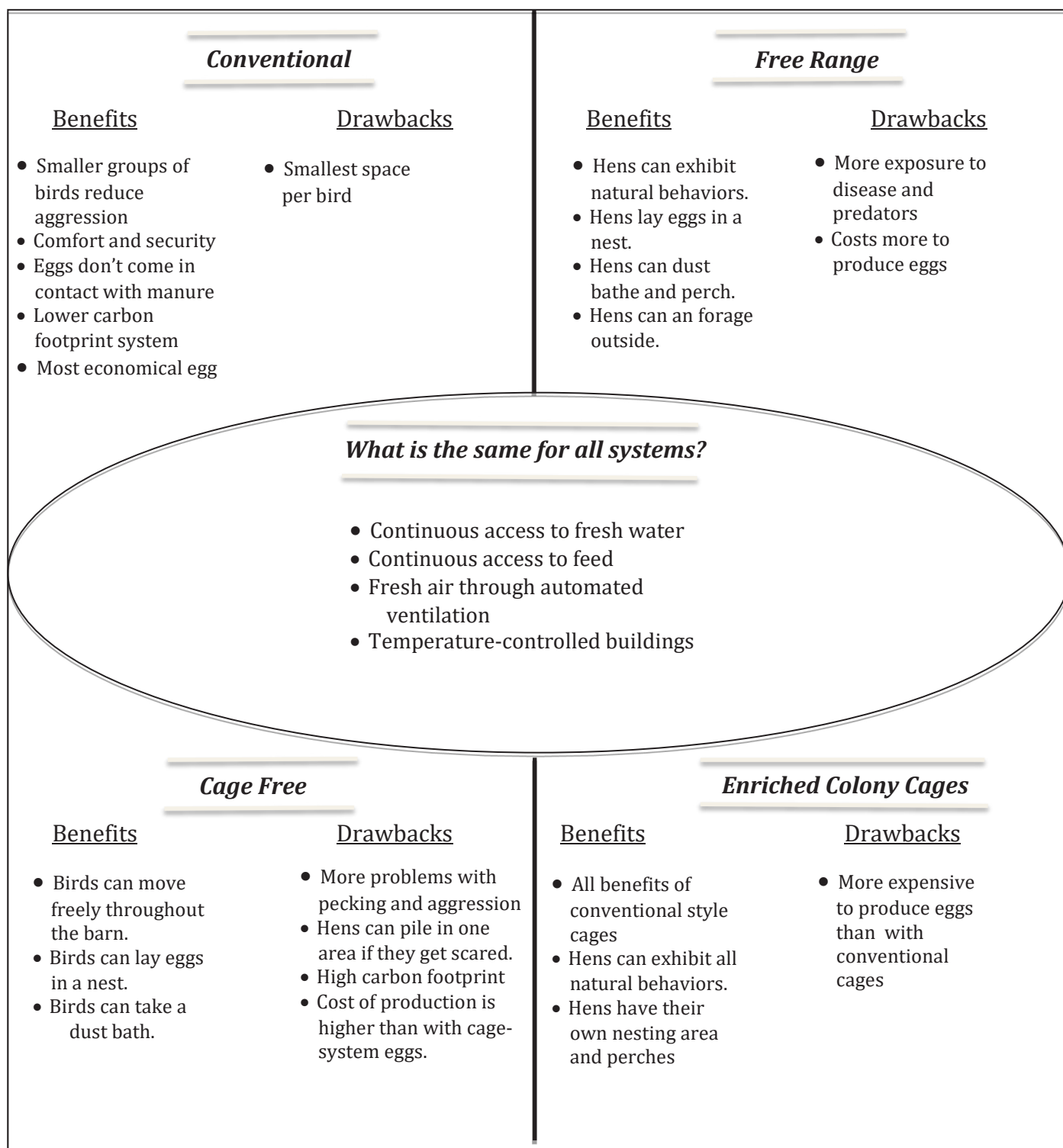
Parts of an Egg: Key



air cell	shell
albumen (used twice)	shell membrane
chalazae	vitelline membrane
germ spot	yolk



Venn Diagram (Possible Answers)



Farm to Table Model



1. Laying the egg



3. Packaging



2. Sorting the Eggs



4. Transporting



5. Unloading



6. Stocking Shelves



7. Consumer Buys

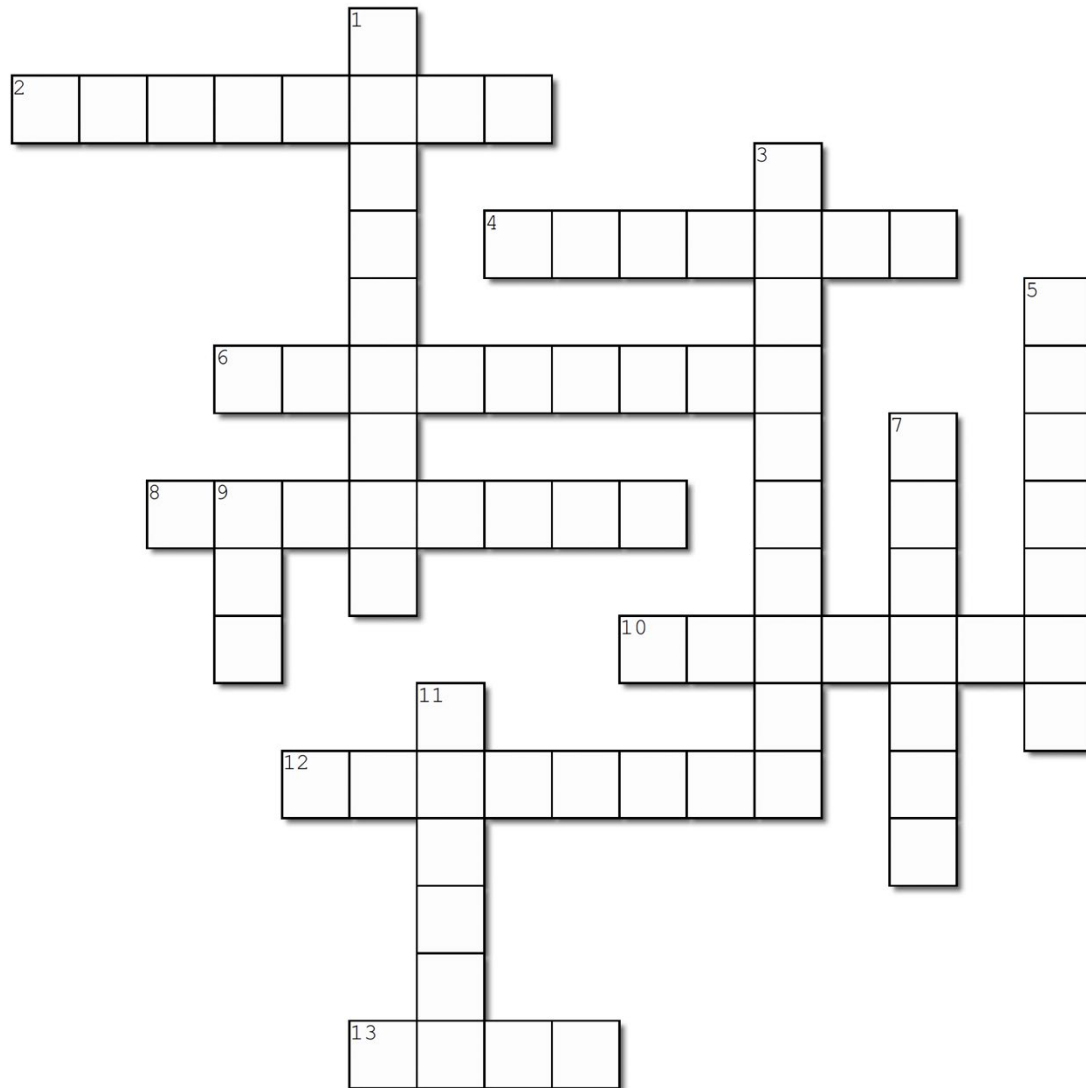
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“Eggs”tra Special Words

Lesson 1: Egg Discovery

Directions: Use the clues below to fill in the crossword puzzle. Hint: When the answer is two words, use one box as a space between the two words.



Word Bank

rooster
hen
poultry
embryo
embryology
incubator
humidity
albumen
chalazae
fertile
germ cell
air cell
yolk

Across

2. air pocket at the bottom of an egg
4. - the white of an egg; it supplies water to embryo
6. a device used to hatch eggs in a controlled environment
8. two spiral bands that extend from the yolk and attach to the shell membrane in order to protect the yolk
10. an adult male chicken
12. water vapor found in the air
13. the yellow part inside an egg; it is a food source for developing embryos

Down

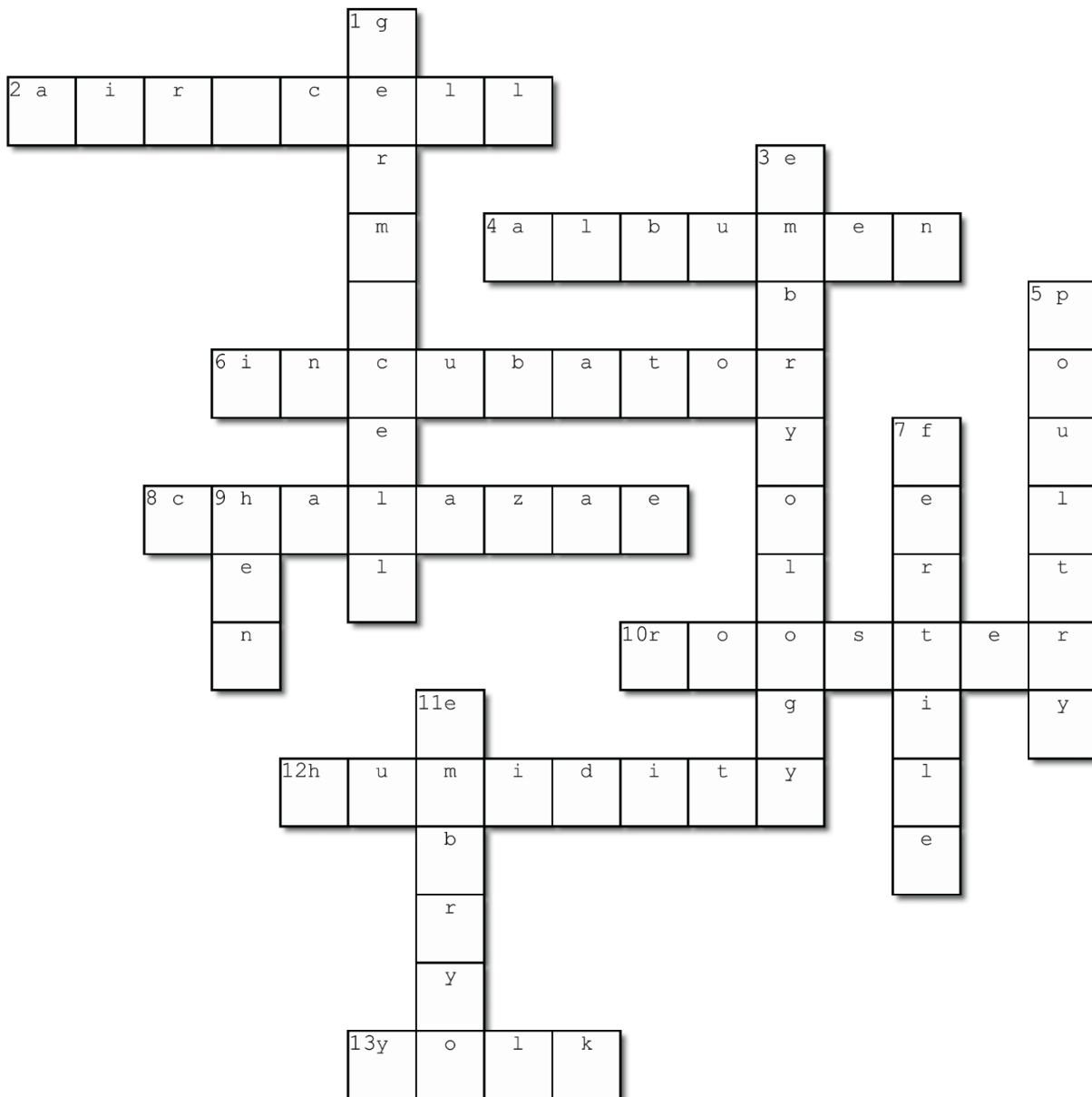
1. cell within the yolk that has the potential of developing into an embryo
3. the study of the beginning of life
5. birds raised for eggs or meat
7. capable of producing new life
9. a female chicken over a year old
11. unborn or unhatched offspring that is in the process of developing



"Eggs"tra Special Words

Lesson 1: Egg Discovery

Answer Key





"Eggs"tra Special Words

Lesson 2: Build-A-Chick

Answer Key

Directions: Draw a line to connect the "Eggs"tra Special Word to its correct definition.

- | | | |
|---------------|-------|--|
| 1. gene | _____ | a scientist who studies genes |
| 2. genetics | _____ | a warm-blooded vertebrate animal of a class that is distinguished by the possession of hair or fur, ability to produce milk, and (typically) the birth of live young |
| 3. geneticist | _____ | the basic unit by which genetic information is passed from parent to offspring |
| 4. mammal | _____ | birdlike |
| 5. avian | _____ | part of biology that focuses on the study of passing of traits from parents to offspring |

Directions: Use the word bank below to complete the sentences correctly.

<u>Word Bank</u>		
offspring	cockerel	physical traits
pullet	DNA	

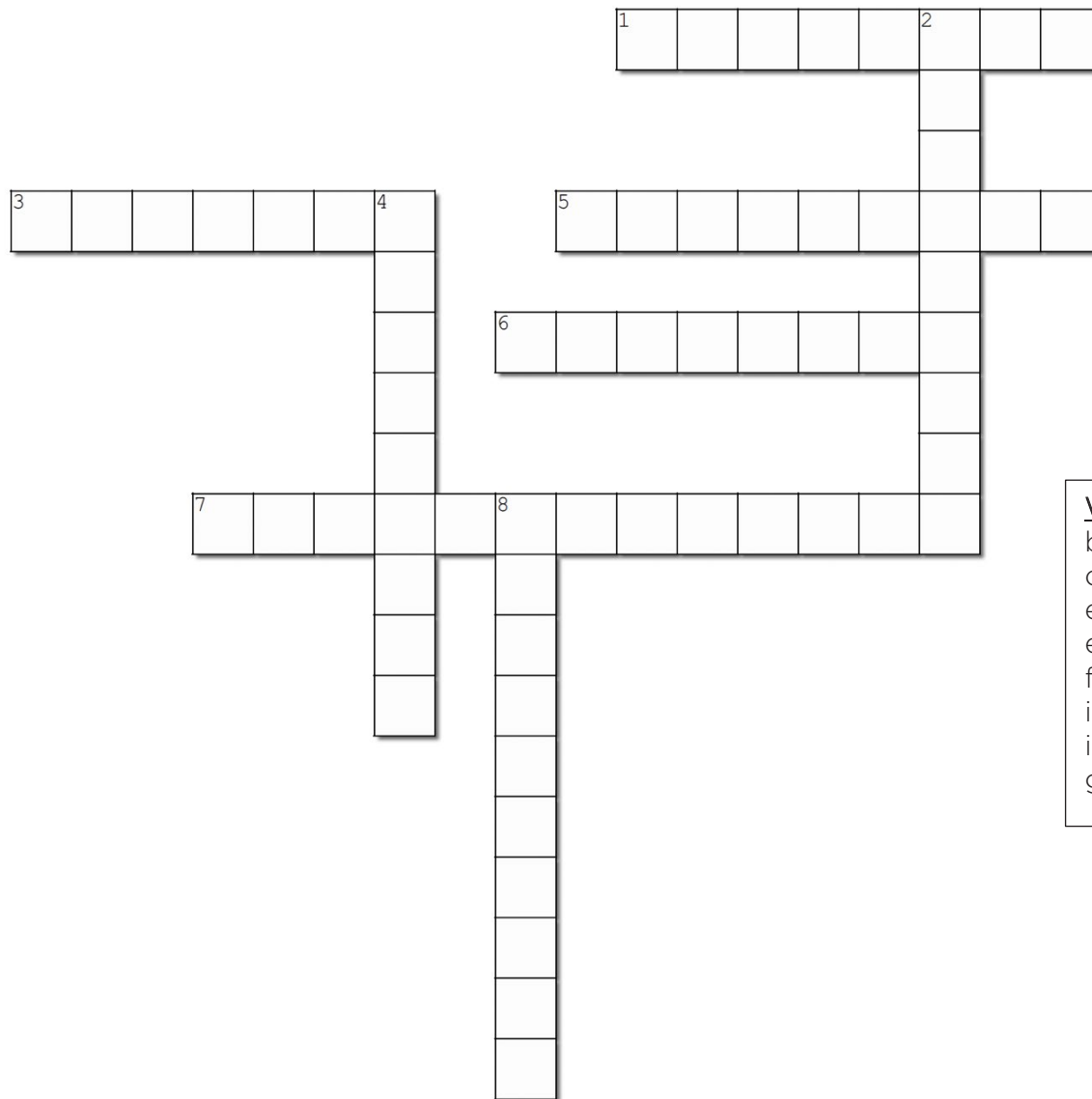
6. Beak shape, feet color, and feather colors are all examples of physical traits of a chicken.
7. Sometimes shown in pictures as a twisted ladder, DNA is the molecule that carries genetic information.
8. When a chick hatches, it is called the offspring of the parents.
9. A female chicken that is less than one year old is called a pullet.
10. A young male chicken is called a cockerel before it becomes a rooster at the age of one.



“Eggs”tra Special Words

Lesson 3: Inside the Shell

Directions: Use the clues below to fill in the crossword puzzle. Hint: When the answer is two words, use one box as a space between the two words.



Word Bank

brooder house
candling
early dead
egg tooth
fertile
infertile
instinct
germ cell

Across

1. process of shining a light inside of the egg to see the developing embryo
3. capable of producing new life
5. cell within the yolk that has the potential of developing into an embryo
6. behavior that is natural and does not need to be learned
7. a heated enclosure that provides shelter for young livestock, including chicks

Down

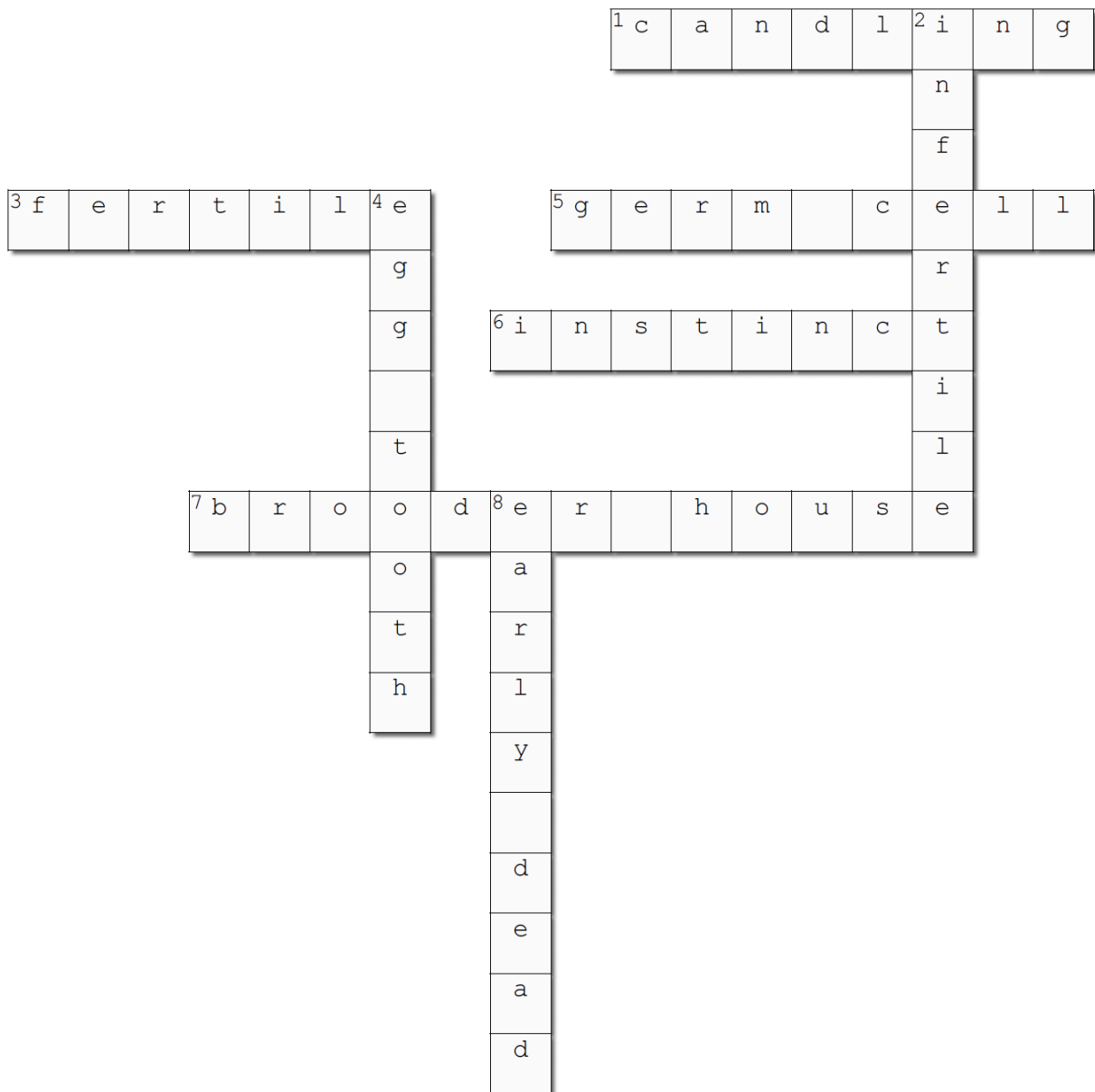
2. not fertile or productive
4. temporary tooth used for breaking the shell; it is later lost
8. embryos that started to develop and died for some reason



"Eggs"tra Special Words

Lesson 3: Inside the Shell

Answer Key





"Eggs"tra Special Words

Lesson 4: The Traveling Egg

Answer Key

Directions: Find the words provided in the word bank in the word scramble. Then use some of the words to complete the sentences at the bottom.

Q P Q
A E P W L A
O F Q J N U S L F
S V X X X A X M W
R J P Y V Q U E Z W
E T G A W I S L L F
U X M H D X K T F Z M X M U F B R N L E G G
W L E N R I C H E D C O L O N Y A G G E H F
M O W F A R M T O T A B L E E G B E V Z
V Q Y V E Z Z L R A G N C R T
G Q G E V O I A A
L U C G I G D U M S G P T
F Y O D Q C K S U O Z C Q J S
S E A X J R U S O H N P U P Q N P C W
Q F E P D C O N V E N T I O N A L O N G W
C R J M W W M K R C K S P R P O U L T R Y
M W E N J P W C K E L E T U P I M P U A W V Y
M Q E C V Z T Q A T I O M R B C W U F J O
K S R K T G S K G Z W R Q E I E B Q R I S
Z Q A D V I I U X F E Y R J Q H Q F N
G C N H K E J V B I R F V Y G C O
Z G U Z J O E Q W U X F V
E E H K V W A B F
A Q U
F G B

Word Bank

cage free
carton
consumer
conventional
eggs
enriched colony
farm to table
free range
humane
large
medium
poultry
shipping
store

1. Hens that are found in a barn but can move around freely are in a cage-free facility.
2. Free-range hens can roam outside within a pen with a barn for nesting areas.
3. Cage-laid eggs, or sometimes called conventional hen housing, are eggs from hens that are inside a small pen within an enclosed building.
4. The newest form of housing is called enriched colony and allows hens to be in large pens with perching and nesting areas within a building.