

# Veterinary Parasitology

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## Cestodes 2 More Tapeworms Answers



# Tapeworm Question

Under which category or categories would *Dipylidium caninum* fall:

A. Companion animal concern

B. Economic concern

C. Human Health concern (minor)



# Tapeworm Question

A horse presents with colic.

What clues might lead you to a diagnosis of *Anoplocephala perfoliata*?

Lack of regular treatments against tapeworms.

New Antibody tests are available now

Horse Serum Tapeworm ELISA

EquiSal® Tapeworm Saliva Test

# Tapeworm Question

Under which category or categories would *Anoplocephala* fall:

**A. Companion animal concern**

B. Economic concern

C. Human medical concern

# Tapeworm Question

Under which category or categories would *Moniezia* fall:

A. Companion animal concern

**B. Economic concern (minor)**

C. Human medical concern

# Tapeworm Question

Under which category or categories would *Spirometra* occur:

A. Companion animal concern

B. Economic concern

C. Human Health concern

# Tapeworm Question

Which Tapeworm does NOT cause zoonosis in humans?

A. *Spirometra mansonioides*

B. *Dipylidium caninum*

C. *Taenia pisiformis*

D. *Echinococcus granulosus*

# Tapeworm Question

If a cow is found to be infected with *Taenia saginata*, what is the cause of condemnation of a cow carcass?

A. Measly beef (larvae in the muscles)

B. Adult tapeworms in the small intestine

C. Larval stages in the liver

D. Segments in the feces of the cow



# Tapeworm Question

Which is the tapeworm of horses?

A. *Taenia solium*

B. *Spirometra mansonioides*

C. *Moniezia expansa*

D. *Anoplocephala perfoliata*

# Tapeworm Question

How does a sheep become infected with the tapeworm, *Moniezia expansa*?

A. Ingest eggs from sheep feces

B. Ingest eggs from dog feces

C. Ingest infected pasture mite while grazing

D. Ingest infected ants while grazing

# Tapeworm Question

What is the name of the zoonotic disease of a human that is infected with the larval stage of *Spirometra* sp.?

- A. Hydatid disease
- B. There is no zoonotic disease with *Spirometra*
- C. Cysticercosis
- D. Sparganosis

# Tapeworm Question

Which pet tapeworm is diagnosed via fecal sedimentation instead of segment squash?

A. *Spirometra mansonioides*

B. *Taenia taeniaformis*

C. *Taenia pisiformis*

D. *Dipylidium caninum*

# Tapeworm Question

Definitive Host: Match the tapeworm with its natural definitive host.

- |  |          |
|--|----------|
| <u>C</u> 1. <i>Moniezia</i>            | A. Dog   |
| <u>D</u> 2. <i>Anoplocephala</i>       | B. Cat   |
| <u>E</u> 3. <i>Taenia solium</i>       | C. Cow   |
| <u>A</u> 4. <i>Echinococcus</i>        | D. Horse |
| <u>B</u> 5. <i>Taenia taeniaformis</i> | E. Human |
| <u>E</u> 6. <i>Taenia saginata</i>     | F. Pig   |
| <u>A</u> 8. <i>Taenia pisiformis</i>   |          |

# Tapeworm Question

Intermediate Host: One often controls tapeworm infections by not allowing access to the intermediate host. Match the tapeworm with its intermediate host.

- |  |                 |
|--|-----------------|
| <u>F</u> 1. <i>Dipylidium</i>          | A. Pasture mite |
| <u>A</u> 2. <i>Anoplocephala</i>       | B. Rabbit       |
| <u>G</u> 3. <i>Taenia solium</i>       | C. Sheep        |
| <u>C</u> 4. <i>Echinococcus</i>        | D. Cow          |
| <u>E</u> 5. <i>Taenia taeniaformis</i> | E. Rodent       |
| <u>D</u> 6. <i>Taenia saginata</i>     | F. Flea         |
| <u>B</u> 8. <i>Taenia pisiformis</i>   | G. Pig          |

# Tapeworm Question

Zoonosis: How do humans become infected with \_\_\_\_\_?  
Match the tapeworm with its transmission to humans.

- |              |                           |   |
|--------------|---------------------------|---|
| <u>F</u>     | 1. <i>Taenia saginata</i> | A. Ingest larval tapeworm from raw pork |
| <u>A,D,G</u> | 2. <i>Spirometra</i>      | B. Ingest larval tapeworm in a flea     |
| <u>B</u>     | 3. <i>Dipylidium</i>      | C. Ingest tapeworm egg from dog feces   |
| <u>A,E</u>   | 4. <i>Taenia solium</i>   | D. Ingest larval tapeworm in a copepod  |
| <u>C</u>     | 5. <i>Echinococcus</i>    | E. Ingest tapeworm egg from human feces |
|              |                           | F. Ingest larval tapeworm from raw beef |
|              |                           | G. Ingest larval tapeworm from raw frog |

Stage in human: **Green = Adult worm** **Red = Larval worm**

# Question

Of the tapeworms we have studied, where do the ADULT tapeworms reside in the DEFINITIVE Host?

A. Kidneys

B. Large Intestine

C. Small intestine

D. Lungs



# Question

Ivermectin is a highly effective drug against tapeworms.

A. True

B. False

# Question

What is the relationship between the definitive host and the intermediate host of cestodes?

A. Definitive host ingests the intermediate host

B. Intermediate host penetrates the skin of the definitive host

C. Intermediate host ingests the definitive host

D. Intermediate host feeds on the blood of the definitive host.

