What Is a Flatworm? (page 683)  1. Flatworms make up the phylumplatyhelminthes			
2. What are the defining features of flatworms?			
soft, flattened worms that have tissues and internal organ			
systems. They have 3 germ layers, bilateral symmetry and			
cephalization.			
<ol> <li>A fluid-filled body cavity that is lined with tissue derived from mesoderm is called         a(an) <u>COEIOM</u>.</li> </ol>			
Why are flatworms known as accelomates?			
because they have no coelom			
5. Is the following sentence true or false? Flatworms are the simplest animals to have			
three germ layers. True			
Form and Function in Flatworms (pages 684-686)			
<ol><li>Circle the letter of each sentence that is true about flatworms.</li></ol>			
Parasitic species are typically simpler in structure than free- living species.			
<ul> <li>b. Free-living flatworms have organ systems for digestion, excretion, response, and reproduction.</li> </ul>			
<ol> <li>Free-living species probably evolved from parasitic ancestors.</li> </ol>			
<ul> <li>d. All flatworms rely on diffusion for some essential functions.</li> </ul>			
7. What do free-living flatworms feed on? tiny aquatic animals or			
recently dead animals			

8.	A muscular tube near the mouth at the end of the gastrovascular cavity is called $a(an)$ Dharynx.
9.	What is the function of the pharynx? to extend from the worm and then pump food into the digestive cavity
10.	What are flame cells, and what is their function?  specialized cells that function in excretion they remove excess water from the body.
11.	What are ganglia, and what do they do in flatworms?ganglia are a group of nerve cells that control the nervous system
12.	A group of cells that can detect changes in the amount of light in a flatworm's environment is called a(an)
13	How do cilia help flatworms move, and what do muscle cells allow them to do? cilia help them glide through the water. Muscle cells allow them to twist and turn
14	What is a hermaphrodite? it contains both male and female reproductive organs
15	What occurs during fission?  an organism splits in two and each half creates a new organism

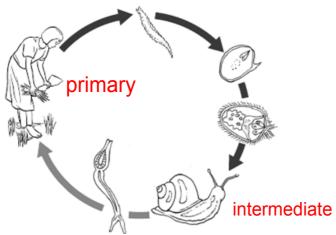
cycles that ir	nvolve both s	exual and asexual reproduction.
Groups of Fla	ntworms (p	pages 686–688)
17. Complete the	e table about	the main groups of flatworms.
		GROUPS OF FLATWORMS
Common Name	Class	Description
	Turbellaria	free-living flat worms
Flukes	Trematoda	Parasitic flatworms that infect hosts' internal organs or outside part
Tapeworm	Cestoda	parasitic flatworms that live in hosts intestines
18. Circle the letter	r of each senter	nce that is true of turbellarians.
a. Most live in	marine or fres	h water.
b. Most are the	e same color, fo	orm, and size.
c. Most are bo	ttom dwellers.	
d. The most fa	miliar are the p	planarians.
		Schistosoma mansoni infect humans?nrough exposed skin
20. In which hos	st do blood flu	ukes reproduce sexually, and in which do they reproduce

asexually? \_\_sexually in the human, asexually in the intermediate host

16. Is the following sentence true or false? Free-living flatworms often have complex life

On the illustration of the blood fluke's life cycle, label the primary host and the intermediate host.

fertilize the eggs of the same individual.



22.	In what areas is schistosomiasis particularly widespread? in tropical areas that lack proper sewage systems
	The head of an adult tapeworm is called a(an)  What does a tapeworm use its scolex for?
	What are proglottids? attach to the intestinal wall of its host
26. 27.	Sperm are produced by male reproductive organs, called testes.  Is the following sentence true or false? Sperm produced by a tapeworm's testes can fertilize the eggs of the same individual.