

SECTION  
**31.4** | IMMUNITY AND TECHNOLOGY  
**Study Guide**

**KEY CONCEPT**

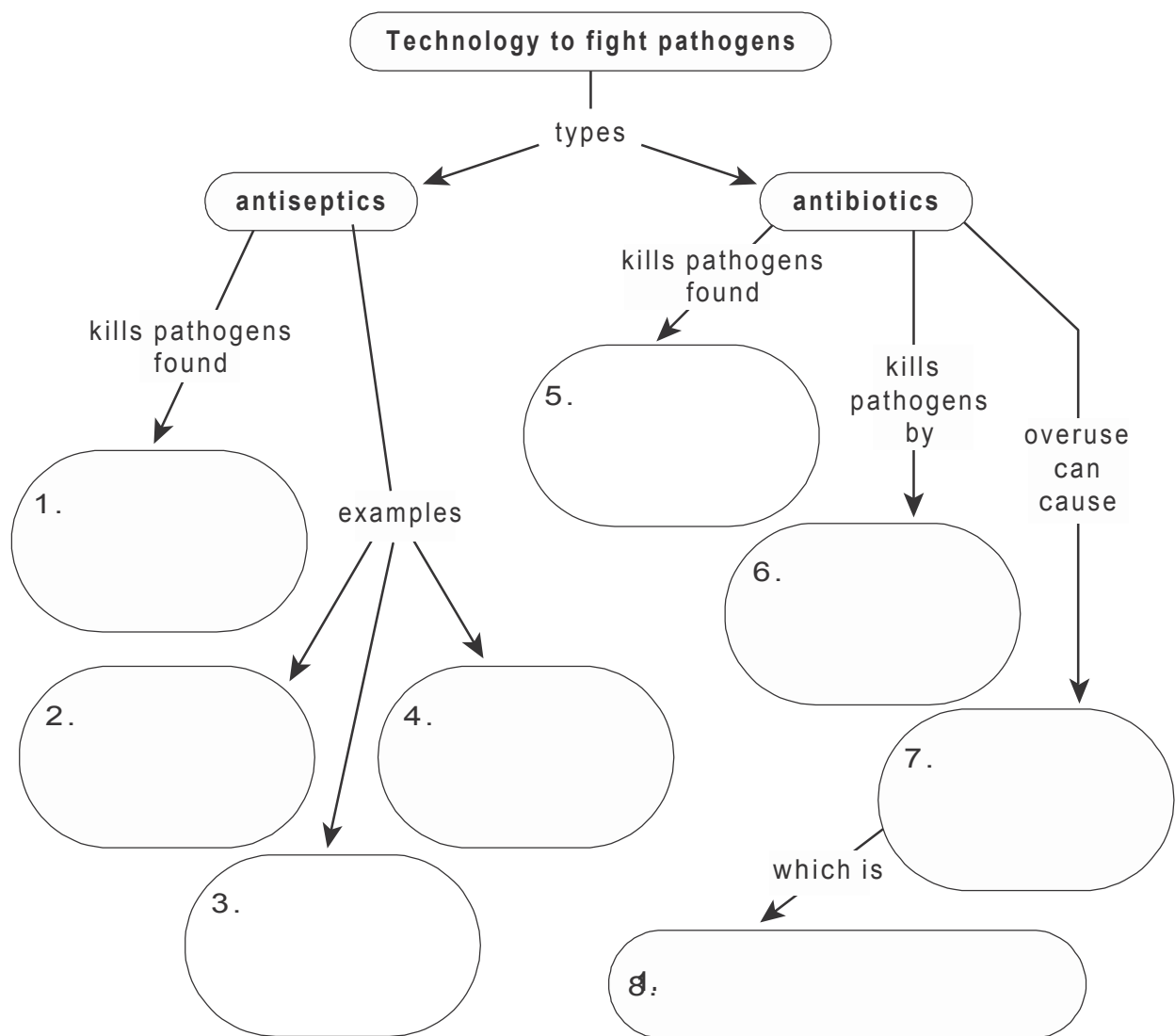
**Living in a clean environment and building immunity helps to keep a person healthy.**

**VOCABULARY**

antiseptic	antibiotic resistance	vaccine
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**MAIN IDEA: Many methods are used to control pathogens.**

Use the concept map to take notes on the different technologies that have been developed to destroy pathogens.



## STUDY GUIDE, CONTINUED

**MAIN IDEA: Vaccines artificially produce acquired immunity.**

9. What is a vaccine?

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10. What do vaccines do that allow the body to gain immunity without ever getting sick?

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11. Why does a person who has memory cells for a pathogen not get sick, while a person without memory cells for a pathogen will get sick?

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12. What are four different things vaccines can be made of?

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**Vocabulary Check**

13. The word *antiseptic* comes from the prefix *anti-*, which means “destroying,” and the word *septic*, which means “disease-causing.” How can these words help you to remember what an *antiseptic* is?

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14. How can the meaning of the word *resistance* help you remember what an *antibiotic resistant* bacterium is?

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