

Class Level: 3+ Can be modified for lower levels	Topic: Cockroaches	Class Length:	Date:
---	--------------------	---------------	-------

Lesson Objectives:

- Where do cockroaches live?
- What do cockroaches like to eat?
- What can I do to prevent cockroaches?
- Where do bug problems come from?

Language Skill Proficiency:

- Speaking
- Listening
- Reading
- Writing

Materials and Equipment:

- Cockroach Picture
- Cockroach Habitat Picture
- Cockroach Foods Picture
- Food Storage Handout PDF
- New Vocabulary - Roaches
- Pests PowerPoint
- Word Scramble Roaches

Activity Plan

Warm Up:

In order to tie information to real life, you may set up the room to be conducive to creating a cockroach problem. At marked times in the lesson, students could respond to their immediate environment as well as pictures. Some ideas to create a friendly environment for pests:

- Pile cardboard boxes, newspapers, magazines, etc. in corners
- Leave food uncovered
- Set soda bottles/cans on the floor and on tables
- Pile clothing on floor
- Drape blankets on couches/chairs
- Throw rugs on top of carpets
- Review lesson and adapt according to your space

Introduction: Ask students the following questions; (show picture of cockroaches)

What is this animal?

What is it called in your first language?

Did you see these in your home country?

What is wrong with having these in your house?

Presentation: Cockroaches can carry diseases including sicknesses that affect your breathing and your stomach. This is especially true with people who are very young—babies and small children—people who are old and people who are already sick. Today we will learn where cockroaches live, what they like to eat, how to prevent roaches, and where bug problems come from.

Review New Vocabulary-Roaches handout.

Practice: Where do you think a cockroach would like to live?

Display and Narrate cockroach habitat pictures from lesson materials:

- Under a sink where the pipe is dripping
- In a bright window
- Outside in the wintertime
- In cracks in the walls

Ask the students what other places they think cockroaches might live?

Record the new ideas and have participants discuss their thoughts. Do not correct at this point.

Answers: Cockroaches like places that are: **dark, warm, moist**

They can often be found in basements, under sinks, in crawlspaces and in cracks in walls.

Some cockroaches hide in warm electronics equipment.

Compare the list above with students' list.

Of these places, where have you seen cockroaches?

Were you right about where cockroaches live?

Look around the room (or move around the room) and point to/tell about one place you see that a cockroach would like to live.

Practice: What do cockroaches like to eat?

Look at picture of cockroach food sources. Ask the students; Which of these things would a cockroach eat? (Show picture of cockroach foods)

-Shoe leather, rotting fruit, newspapers, plastic and electronics, living bugs, meat, garbage, live grass/plants.

What other things do you think a cockroach would eat? Record these on flip chart paper or whiteboard. Again, do not correct, gather ideas and allow discussion.

Read the following list; Prefer sweets and decaying food. But also will eat: paper, boots, hair, bread, fruit, fish, peanuts, old rice, putrid wine, cloth, dead insects. They like to eat things that are rotting. One reason that they can often be found near leaks in sinks and pipes is because they have to drink water. More importantly, though, water leaks cause things to **rot**. When things like drywall and newspapers start to rot, they are much more likely to become cockroach food. Look around the room. What do you see that a cockroach would like to eat?

Practice: What can I do to prevent cockroaches?

Now that we understand some of the problems caused by cockroaches, some of the things cockroaches like to eat and some of the places cockroaches like to hide, what do you think that we can do to keep from having a cockroach problem?

Have students share ideas. Record these

How to Prevent Cockroaches: Reduce food for cockroaches. No animal can survive without food.

- Store food in tightly-sealed containers
- Take garbage out every day
- Pick up stacks of newspapers
- Wash dishes immediately
- Clean counters, sinks and tables with soap
- Vacuum at least twice a week and throw out bag
- Sweep floors with broom daily
- Do not leave pet food out overnight

Once you've gotten rid of food for cockroaches, it is also important to reduce the number of places where they can hide in your house.

Other than moving piles of boxes and clothes, what can you do to get rid of hiding places for cockroaches?

Practice: Where do bug problems come from?

Many bug problems come in from outside. Cockroaches and their eggs may be in furniture set outside by the dumpster. **Never** collect furniture from near trash cans. Asks students; What is a better way to get furniture that you need?

Inform students that ignoring needed repairs in your home can create a cockroach problem or make a problem worse. It is important to report needed repairs to management immediately.

Report repairs to management:

- Leaks
- Cracks under doors and near windows
- Cracks in walls, holes near toilet or sink
- Loose wallpaper
- Garbage piling up
- Report evidence of cockroaches to management

Evaluation: Have students share one thing that they learned about cockroaches. Have them stand up, move about the room and locate one thing that could cause a cockroach problem. Give students time to look around. Go around the room and have each participant respond to: What did you find that would cause a cockroach problem? What could you do to correct this? Have participants demonstrate.

Ask students; What is one thing that you can do this week to prevent a cockroach problem in your apartment? Encourage answers that are realistic. Option: Record responses and provide small prizes for people who accomplish their goals a week later.

Extension Activities:

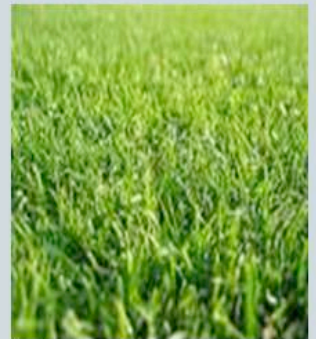
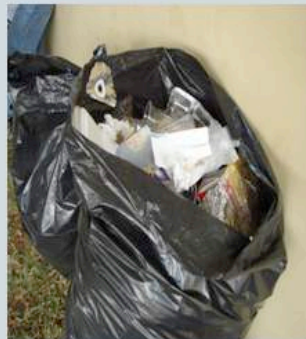
- Do activities on having a student ask for a repair to be done in their apartment.
- Review Food Storage Handout
- Have students complete the word scramble on roach vocabulary



Cockroaches



What would a cockroach eat?



New Vocabulary List - Cockroaches

Pests - an insect or other small animal that harms or destroys garden plants, trees, etc.

Moist - moderately or slightly wet; damp.

Rotten - decomposing or decaying; putrid; tainted, foul, or bad-smelling.

Allergy - an abnormal reaction of the body to a previously encountered allergen introduced by inhalation, ingestion, injection, or skin contact, often manifested by itchy eyes, runny nose, wheezing, skin rash, or diarrhea.

Decaying - to become decomposed

Drywall - an inside wall finished in a dry material, usually in the form of prefabricated sheets or panels nailed to studs

Pile - things laid or lying one upon the other

Crawlspace - (in a building) an area only accessible by crawling, for access to plumbing or wiring, storage, etc.

Prevent - to stop from doing something

Dumpster - a large metal bin for garbage designed to be lifted onto a truck for emptying or hauling away.

Cockroaches

Name: _____

Date: _____

Unscramble this new vocabulary from your lesson on cockroaches

pests	pile	prevent	garbage	furniture	drywall
rotten	cockroach	bug	crawlspace	allergic	moist
decaying	dumpster				

1. tspedes p _ _ _ _

8. ckroacohc c o _ _ _ _ _

2. moist _ o _ _ _

9. pawelraccs _ _ a _ l _ p _ _ _

3. orne tt r _ _ t _ _

10. etvrpne _ r _ _ e _ _

4. carle gli _ l _ _ _ _ _

11. ubg b _ _

5. ceangy di d _ c _ _ _ _

12. ptsrmdue _ _ m _ _ _ e _

6. radylwl _ _ y _ a _ _

13. rfenuirtu f _ _ _ i _ _ _ _

7. eipl _ i _ _

14. ggeabra _ _ r _ a _ _

Unscramble this new vocabulary from your lesson on cockroaches

pests	pile	prevent	garbage	furniture	drywall
rotten	cockroach	bug	crawlspace	allergic	moist
decaying	dumpster				

- | | | | |
|--------------|-----------------|---------------|---------------------|
| 1. tspe | p e s t s | 8. ckroacohc | c o c k r o a c h |
| 2. moist | m o i s t | 9. pawelraccs | c r a w l s p a c e |
| 3. orne tt | r o t t e n | 10. etvrpne | p r e v e n t |
| 4. carle gli | a l l e r g i c | 11. ubg | b u g |
| 5. ceangy di | d e c a y i n g | 12. ptsrmdue | d u m p s t e r |
| 6. radylwl | d r y w a l l | 13. rfenuirtu | f u r n i t u r e |
| 7. eipl | p i l e | 14. ggeabra | g a r b a g e |