For the answer key and to follow A.Q. and M.Dee's adventures online visit





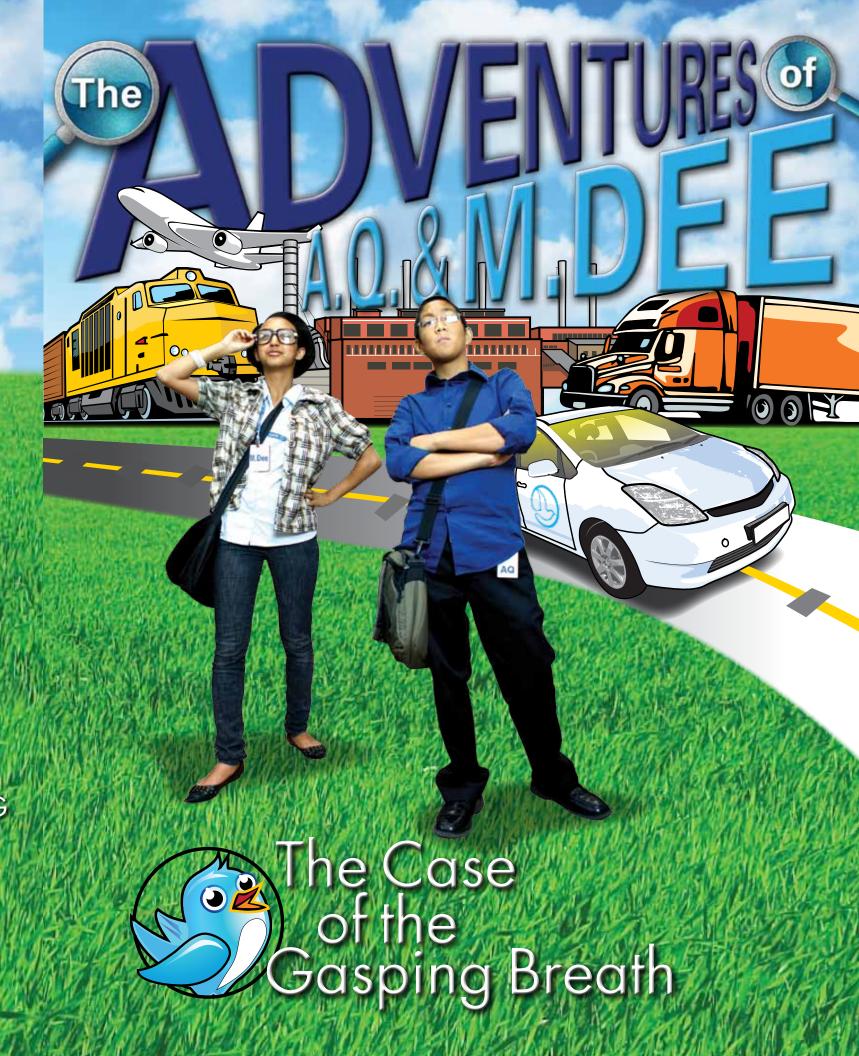
Help us to clean the air that we breathe by reporting air quality problems online @: www.aqmd.gov/complain/reporting_aq_problems.html or by calling 1 800 CUT-SMOG (800) 288-7664

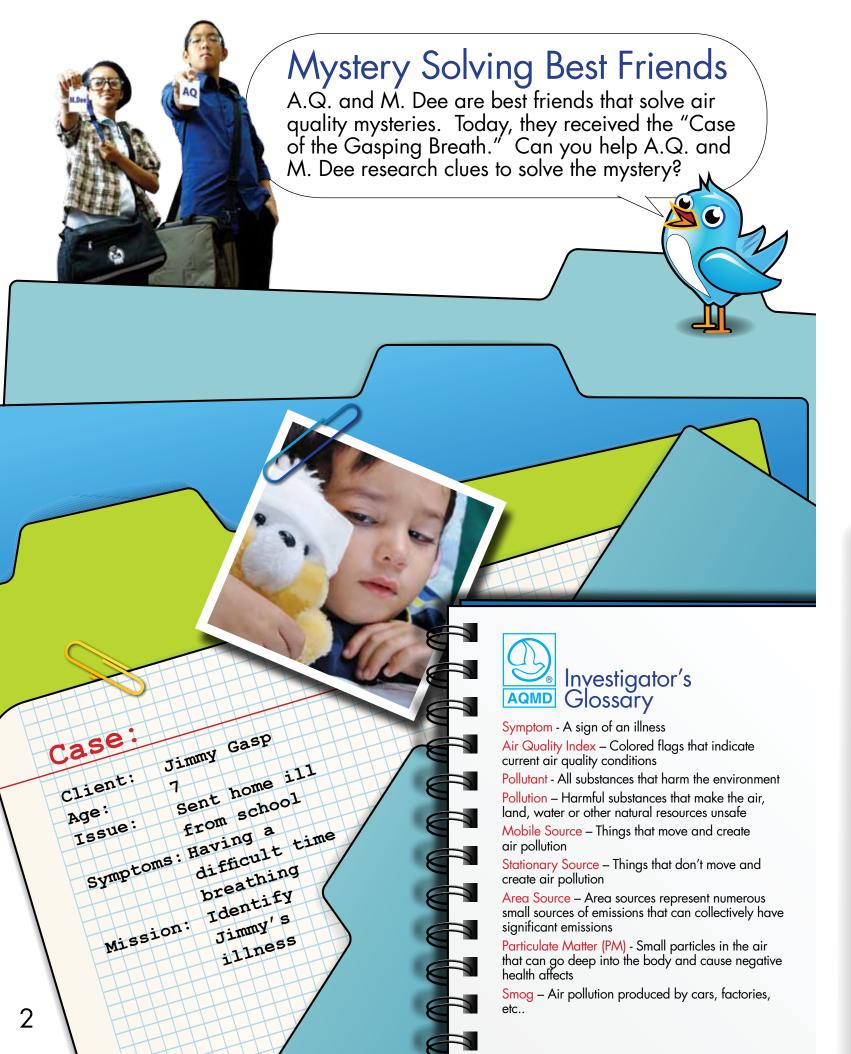


South Coast Air Quality Management District

1-800 4 CLN-AIR (800 425-6247)

AQMD Cleaning the air that we breathe...TM





A.Q. and M. Dee arrive at Jimmy's house.

"Hi Jimmy! We heard you had some breathing problems," said A.Q.

"I was playing basketball at the playground and all of a sudden it was hard to breathe," said Jimmy.

"Hard to breathe" said M. Dee, "that is a symptom. What other symptoms do you have Jimmy?"

As Jimmy begins to describe his symptoms, he gasps for air and the words get scrambled. Help A.Q. and M. Dee unscramble the words to determine his symptoms.

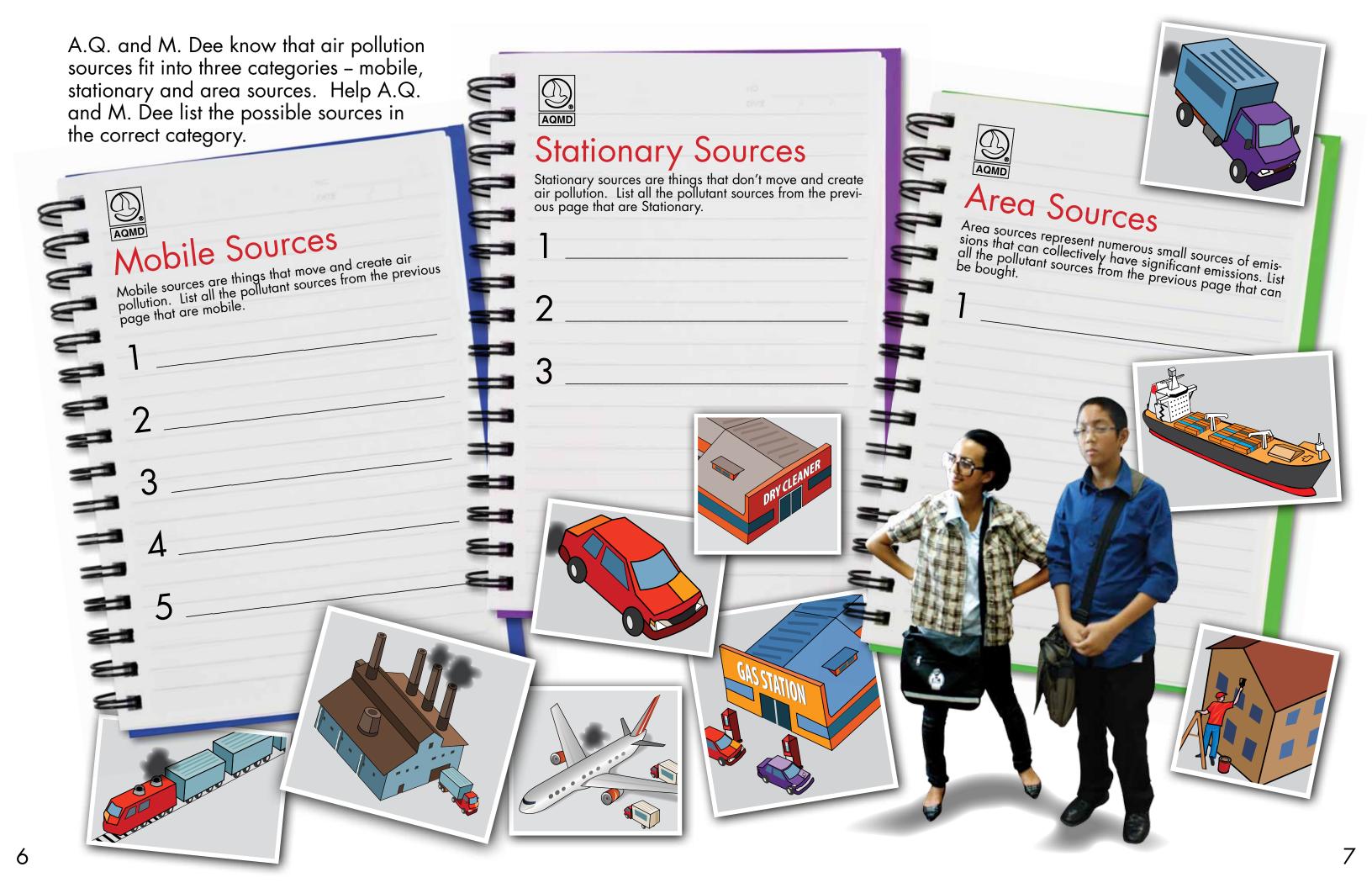


Symptoms:

- 1. Hard to breathe
- 2. ehzwngei
- 3. gihcognu
- 4. tnetights ni hoste

For the answer key and to follow A.Q. and M.Dee's adventures online visit www.CleanAirConnections.org





With their source notebooks, A.Q. and M. Dee go to the South Coast Lab to meet with a scientist. A.Q. tells her about the orange flag and M. Dee shows her the mobile, stationary and area sources listed in the notebook.

"Can these sources be causing Jimmy's sickness?" A.Q. asks.

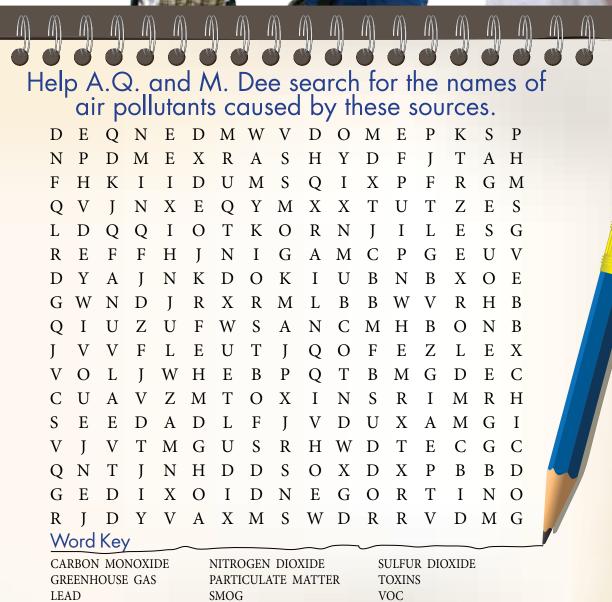
"In order to determine that," says the scientist, "we first have to determine what these sources are putting into the air."

With the list of pollutants released by mobile, stationary and area sources, A.Q. and M. Dee visit a doctor to learn how these pollutants enter a person's body and affect that person's health.

"The smaller the pollutant, the further it can travel inside the body," the doctor says. "Once trapped inside, these pollutants can cause watery eyes, coughing, tightness in the chest, and trouble breathing. Let me show you."

Help the doctor demonstrate to A.Q. and M. Dee how pollutants travel inside the body. Draw a picture in the box of the size particle that traveled to the location.

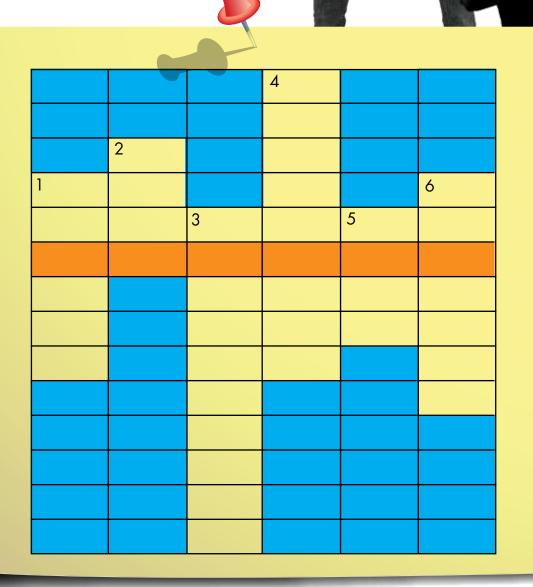




Pollutant Key ▲ PM 10.0 ■ PM 2.5 • PM 0.1 Large particles and gases irritate nose, throat, sinuses and can cause sore throat and coughing. Fine particles penetrate deep in the lungs causing damage. Microscopic particles can irritate lung tissue and impair the immune system cells that protect your lungs against infections.

You have helped A.Q. and M. Dee discover all the clues to Jimmy's illness. Now, put all the clues together to make the diagnosis.

Down
1. The flag at the playground was
indicating unhealthy air quality
2. At the playground, one of the major sources of mobil pollution came from
3. A source of air pollution that does not move is called
4. The doctor said that unhealthy air quality can cause
difficulty with
5. One of the air pollutants was
which is a combination of the words smoke and fog
6. The in size the pollutant
is, the further it travels inside the body.



GOOD JOB!



. Layer Up, Layer Down

Wear a sweater, grab a blanket, put on extra warm socks when it gets cold instead of turning up the

2. Bottle & bag it

- Use reusable bottles for water and other drinks instead of purchasing bottled water, soda, or juice.
- Use reusable bags and take them to the store when you shop.

3. Lights out!

• Turning off the lights when you leave the room can cut your family's lighting bill by a third.

4. Lighten your "footprint" to school • Ride your bike, skateboard, or walk.

- If you must drive, organize a carpool or take the bus.

5. Remember to recycle

- Learn what can be recycled and remember that every bottle, can, and piece of paper counts.
- Buy items made from recycled goods.
- Recycling should be the last step. Reduce your consumption and reuse what you already have before buying something new.

6. Shorter showers

• Keep a shower timer to reduce the amount of water used.

7. Keep it contained

- Use reusable containers (preferably glass or metal)
- Use reusable bottles for drinks
- Bring home uneaten food to compost, or toss into the school's compost bin.

8. Consume less!

Recycled notebooks to used textbooks, going green can save you money and help the environment.

What are two more things you can do to help clean the air that we breathe? Write and draw your ideas below.

9	•				10.		