

Class

Name

Unit 1 Air Pressure Creates Wind

Unscramble the sentences. Then rewrite them correctly.

1. all around / Air is / us. It's / particles. / tiny / made of

2. don't stay / particles / These / still. are / They / moving. / always

3. and tie the end / three-quarters of the size / Step 1. Blow up / with a binder clip. / a balloon to

4. the end / Step 2. Put / thick tube. / onto a / of the balloon

5. and tie / Step 3. Blow up / using a binder clip. / the end / another balloon halfway

6. on the other / the tube. / end of / Put the balloon

7. from both / Step 4. Remove / balloons. / the clips

Class**Name**

8. expand all the way / got smaller? / Why did the big balloon / while the small one / get bigger and

9. air moves from / It's because / of lower pressure. / pressure to areas / areas of higher

10. a smaller space. / is in / inside the small balloon / The air

11. are closer together, / So the air molecules / high pressure. / causing

12. are spread out, / The air molecules / lower pressure. / causing / in the larger balloon

13. moves from / big balloon. / The air / to the / the small balloon

14. as well. / in nature / like this / Air moves "wind." / We / it / call

Class

Name

Unit 2 The Weather Forecast

Translate the sentences.

1. are watching / Lulu and / TV together. / her mom is / The weather / on. / forecast

2. a lot of / low pressure today." / will be / "Be careful, / as there

3. asks Lulu. / bad, mom?" / "Is / low pressure

4. bad for / "It's / the weather. brings / High pressure / clear skies. / sunshine and

5. rain and / Low pressure / clouds. / brings

6. even snow / There / if it's cold." / wind or / could be

7. The weather / continues. / forecast

8. and wind / in the southern / "Heavy rain / are expected / region."

Class**Name**

9. business trip / in the south, / "Dad is / isn't he? / on a

10. today." / fly home / He / planned to

11. Mom says, / "I just / from your dad. / got a call

12. His / canceled. / was / flight home / come / He will / tomorrow."

13. in advance! / "It's lucky / the weather / we know

14. pressure." / we can / This way, / for low / watch out

Class

Name

Unit 3 How Does Heat Move Liquids?

Translate the sentences.

1. a kettle? / Have you / water using / ever boiled

2. from the bottom / It heats / to the top. / the water inside

3. all the water / How does / and finally boil? / get hot / in the kettle

4. into the bottom / Step 3. Drop / using the dropper. / of the tub / the blue food coloring

5. the food coloring / Make sure / in slowly. / you put

6. paper cup / Step 4. Fill / with hot water. / the small

7. Put the / in the tub. / paper cup / under the food coloring

8. to the blue / See / food coloring. / what happens

Class**Name**

9. heated / The hot water / the food coloring. / under the tub

10. the heated / After a while, / food coloring / started moving.

11. It flowed / of the tub. / to the top / from the bottom

12. blue water / went up. / The heated The cold / down. / went / water

13. a "convection / We call / current." / this process

14. In a kettle, / the hot water / moves up. / at the bottom moves / The cold / water /
down.

15. and it moves / Then / gets hot, / up again. / that water

16. all the water / This keeps / until / is hot. / happening

Class

Name

Unit 4 Water Moves Around the World

Translate the sentences.

1. with his dad. / Tim / the sea / went to his foot / in the water. / put / He

2. is / the water / "Dad, / very cold! North Pole / right?" / The water / is much colder,
/ at the

3. near the North Pole / Dad answered, / The water / "That's right. / is cold.

4. But / the equator / is warm. / the water near

5. to happen." / This / causes / something amazing

6. "It's / the circulation / seawater. / of the water. / Cold water / than warm / is
heavier

7. it sinks / gets colder, / When / down. / near the poles / the seawater

8. flows to / The cold water / near the equator. / warm areas

Class

Name

9. The warm water / moves to / where / the cold water / was.

10. convection / It's / current." / a huge

11. our kettle / "Wow, / at home! / just like / it works

12. the water / How fast / move?" / does

13. per hour. / "It / about / flows / 1 cm

14. the whole world!" / one thousand years / It takes / to circulate around / more than

Class

Name

Unit 5 Growing Mushrooms

Translate the sentences.

1. are two different / and plants / Animals / living things. / types of

2. There's / of living thing. / another type called / a fungus. / It's

3. Mold / of fungi. / are types / and mushrooms

4. in warm / They grow well / environments. / and humid

5. the summertime. / see mold / growing in / and mushrooms / We can often

6. from sunlight / They don't / like plants. / get their food grow in / the dark. / They can

7. other living things, / They get / dead or alive. / nutrients from

8. growing / Step 1. Get / kit. / a mushroom Follow / on the kit. / the instructions

Class**Name**

9. will include a substrate / mycelium (mushroom spawn). / Step 2. Your kit / (mushroom food) and

10. for the mushrooms / It will take / to grow. / a few days

11. mushrooms / Did / grow? / your

12. and the substrate. / All they need / are the spawn / to grow

13. sunlight / They / to grow. / don't need

14. to grow / You didn't / the mushrooms. / use seeds

15. release / Wild / the spores. / mushrooms carried away / They get / by the wind.

16. can grow. / it releases the spawn, / and a new mushroom / and with good food, / If a spore / lands somewhere dark, humid,

Class

Name

Unit 6 I Am Not a Plant!

Translate the sentences.

1. cap and / I have / a stalk. / a wide

2. so people / I don't move, and / think I am a plant. / I grow upward,

3. a / I'm / fungus. of my / a member / Mold is / family!

4. and humid / Fungi like me / environment. / in a warm / grow well

5. You can see / summer. / a lot of us / in the

6. Plants / own food / photosynthesis. / make their/ through

7. I can't / dead and living things / nutrients from / do this, / around me. / so I get

8. spores. / I / by / reproduce

Class**Name**

9. are powders / Spores / under my cap. / in the gills

10. are light, / float in / Spores / the air. / so they

11. and land / They / on the earth. / float away

12. into new / they grow / There, / mushrooms.

Class

Name

Unit 7 Water Drops

Translate the sentences.

1. is / What / tension? / surface do an / and see. / Let's / experiment

2. flat / a penny / Step 1. Place / surface. / on a Fill / with water. / a pipette

3. one at / Step 2. Pour / on the penny, / a time. / drops of water

4. spills off / does it take / Step 3. How many drops / the penny? / until the water

5. How did / the penny? / the water / stay on

6. straight away? / Why / spill over / didn't it

7. surface / It's / tension. / because of

8. keeps the / together tightly. / Surface tension / water molecules

Class

Name

9. together / they hold / On the surface / even tighter. / of the water,

10. skin on / like a / the water. / They're

11. held a few / Surface tension / together. / water drops

12. more and more / When we added / the surface tension. / drops of water, / eventually we broke

13. water / spilled. / The

14. surface tension / can we see / Where else / in action?

Class

Name

Unit 8 A Water Strider

Translate the sentences.

1. a / I'm / strider. / water You can / and reservoirs. / at ponds / find me

2. My body / stick. / a thin / looks like pairs / I have / of legs. / three

3. two legs / are short. / My front back four / My / very long. / legs are

4. make me / Some people say / my four long legs / a drone. / look like

5. and I float / in the air, / Drones float / on the water! walk on / too. / I can / water,

6. scientific / I am light, / a more / reason. / but there is

7. surface / It's because / tension. / I use

8. covering my / thousands of / whole body. / fine hairs / There are

Class

Name

9. spread my weight out. / on the surface / The hairs shut in air / of the water and / while my legs push

10. pushes / The water / up. / my legs how I / That's / the water. / float on

Class

Name

Unit 9 Speed Racers

Translate the sentences.

1. of objects? / How can / the speed / we compare

2. their speed / We can / same distance. / over the / compare

3. run a / For example, / 100-meter race. / five people

4. first is / The person / the fastest. / who finishes

5. how far objects / over the same amount of time. / also compare / can travel / We can / at different speeds

6. objects over / Let's compare / amount of time. / the same / the speed of

7. a starting line / Step 1. Draw / on the floor.

8. so it is / the line. / Place / vertical to / a tape measure

Class

Name

9. Step 2. Prepare / cars. / three paper

10. for the race, for / example 1 minute. / Place one car / and set a time / at the starting line

11. a fan. / Step 3. Move / car using / the paper

12. the car stopped / Mark where / it moved. / how far / and measure

13. two cars. / Step 4. Now / for the other / do it

14. amount of time, / so it is / in the same / The first car / the fastest. / went the farthest

15. Which car / for you? / was the fastest

Class

Name

Unit 10 A Race to Grandfather's House

Translate the sentences.

1. Grandfather's home / Sally and / at 10 a.m. / arrive at / her uncle both

2. says Sally. / "Hi, / Uncle Pete!" home?" / did you / "When / leave

3. us 2 hours / at 8 a.m., / to get here," / "We left home / so it took

4. you / "When / leave?" / did

5. "We left / us 3 hours. / so it took / at 7 a.m., was faster?" / Whose car / Hmm...

6. to work out / "We need / says Uncle Pete. / the velocity,"

7. away from / is 240 kilometers / Grandfather's. / "Your home

8. so divide 240 km / by 3 hours. That's / It took you / 80 km/h. / 3 hours,

Class

Name

9. is 140 kilometers / My home / to get here. / and I took 2 hours / away from here,

10. 140 by 2 / 70 km/h." / Divide / to make

11. was 10 km/h / Sally asks, / "So our car / your car, right?" / faster than

Class

Name

Unit 11 The Changing Volumes of Gases

Translate the sentences.

1. step on it / The ball / by mistake. / and you / rolls off the table

2. fix / Can you / ball? / the crushed

3. over the mouth / Step 1. Put / of a triangular flask. / a balloon

4. filled with / Step 2. Put / hot water. / in a beaker / the flask

5. in a beaker / the flask / Step 3. Now, put / ice water. / filled with

6. when they / The volume / get hotter. / gets bigger / of gases

7. the balloon / The hot gases / bigger. / made

8. when the gases / The volume / gets smaller / get colder. / of gases

Class

Name

9. the balloon / smaller. / made / The cold gases

10. fix the / So, how / crushed ball? / can we you / Can / out? / work it

11. water. / Put / in hot / the ball

12. of the gases / The volume / will get bigger. / in the ball

13. to its / The crushed ball / shape! / will return / original

14. you can play / With your knowledge / of gases, / table tennis! / of the volume

15. use this / Where else / knowledge? / can you

Class

Name

Unit 12 Cold Air, Hot Air

Translate the sentences.

1. look at / Erica. / "Brian, / this stew!" says

2. for dinner, / whether it's okay / to eat it / to eat." / but I'm not sure / "Mom said

3. wrap / "Look at / on top. / the plastic curved / downward. / It's

4. Erica says. / Does / it's rotten?" / that mean

5. was in / the fridge. / "It's just because / the stew It / cold. / got

6. the plastic wrap / got cold, too. / and the stew/ The air between

7. so the plastic wrap / of the air / curved downward." / The volume / got smaller,

8. microwave / "What happens / the stew? / when you

Class

Name

9. of air / Will / get bigger?" / the volume

10. upward!" / "The plastic / curve / wrap will

11. the stew?" / "And then / we can / eat

12. once we / "Yes, / the plastic wrap!" / take off

Class

Name

Unit 13 Stems Carry Water

Translate the sentences.

1. and flowers, / Plants are / roots, a stem, / made of / among other parts.

2. under / spread out / Roots / the ground.

3. the plants and / They / absorb water. / support

4. The stem / to the flowers. / from the roots / brings the water

5. a plant? / How can we / move up / see the water

6. food coloring / Step 1. Add / to the water. / the red

7. for 4 hours. / Put the / in the red water / lily stem

8. horizontally. / and cut it / Step 2. After / take the stem out / 4 hours,

Class**Name**

9. and see what / cut it / it looks like. / vertically / Step 3. Now,

10. when you / You can / horizontally. / cut it/ see red dots

11. You can see / it vertically. / red lines / when you cut

12. moved up / The red parts / the stem. / show us / how the water

13. tubes inside / There are / many thin / a plant's stem.

14. to the flower. / These tubes / from the roots / carry water

15. appearance / The / varies. / of stems thick / Some / are / and straight.

16. are / Some / and thin. / long objects. / wind / Some / around other

17. bring water / from the roots / to the flowers. / All of them

Class

Name

Unit 14 Grandfather's Garden

Translate the sentences.

1. his grandmother / for the weekend. / visits / Brian

2. her in / loves helping / her garden. / He

3. Brian is / some sweet / Today, / potatoes. / digging up

4. something interesting. / He stops / when he sees / digging

5. plants have / those tomato / upright stems. / "Grandma,

6. crawl along / sweet potato stems / But these / the ground."

7. a stolon. / these sweet potatoes, / "A crawling stem, / is called / like that of

8. have stems / Sweet potatoes / like this." / and strawberries

Class

Name

9. stems?" asks / "What / have different / Brian. / other plants

10. morning glory stems / other objects." / wrap around / "Well,

11. "Yes, there / of stems. / different types / are many

12. the same thing. / They look / all do / but they / different,

13. all support / the plant. / They

14. all carry / They / nutrients." / water and

15. keeps digging / potatoes. / sweet / Brian

16. potato pie / but Grandmother's sweet / plant stems / is better! / Learning about / is good,

Class

Name

Unit 15 What's the Weather Like Today?

Translate the sentences.

1. go out. / In the morning, / before you / the weather forecast / you check

2. who makes / But / forecast? / the weather

3. predict / Meteorologists / the weather.

4. in the next / They know / will be like / few days. / what the weather

5. in many / do this / different ways. / They

6. atmospheric pressure. / to record / They send / high up / weather balloons / in the sky

7. wind or rain / satellites to see if / They use / on the way. / there is

8. know what the weather / at this time of year. / They also / in an area or / is usually like

Class**Name**

9. computers. / All of / goes into / this information

10. to predict / The computers / the weather. / analyze the information

11. reports on / We can / see weather / our phone.

12. forecasters / We can / on TV. / watch weather

13. they get / wrong. / Sometimes / things

14. to check / But it's / forecast! / the weather / still a good idea

Class

Name

Unit 16 Hydro Helpers

Translate the sentences.

1. 71 percent / with water. / is covered / of Earth's surface

2. is fresh water. / 3.5 percent / But only / of Earth's water

3. only drink / can / fresh water. / Humans

4. fresh water. / Therefore, / to protect / it's important

5. clean and safe / We must / from pollution. / keep it

6. everyone on Earth / We must / to drink. / has safe water / make sure

7. help / with / Hydrologists / this. water. / means / "Hydro"

8. the water. / These scientists / study protect / help / They / it.

Class**Name**

9. with contaminated / They / water. / the problems / sort out

10. to drink. / They / water / look for

11. that is / Groundwater / held underground. / is water

12. for people. / Hydrologists / can become / look for / drinking water / groundwater that

13. and safe / They / to drink. / it is clean / make sure

14. have a cold / when you / Think of them / today. / glass of water
