

Teachers' Guide

Parts of the Water Cycle Task Cards

32 Task Cards
2 Levels of Difficulty
Color and B&W

Laura Candler

Parts of the Water Cycle Task Cards

by Laura Candler

Parts of the Water Cycle Task Cards includes a total of 32 unique task cards with examples of water cycle concepts in everyday life. These task cards can be used for active engagement cooperative learning games, independent practice, or whole-class review. Both color and black and white versions are included. In addition, you'll find some bonus items for those using Plickers. All components are stored in folders in the zip file that came with this product.

The **Parts of the Water Cycle Task Cards** collection is divided into 2 sets of cards with 16 cards in each set. Set A is very basic, covering only precipitation, evaporation, and condensation, so it's a good place to start with any class. Set B includes those three terms, but it also covers more advanced concepts like transpiration and accumulation. Both sets include a student recording sheet and an answer key.

What's Included

- *Parts of the Water Cycle Task Cards Teachers' Guide*
- *2 Sets of Water Cycle Task Cards (16 cards per set)*
- *Student Answer Sheets*
- *Header Cards and Answer Keys*
- *2 Parts of the Water Cycle Teaching Posters*

Bonus Items for Plickers

- *Plickers Made Easy with Task Cards Tutorial*
- *Task Card Images for Plickers*

Printing and Preparing the Cards

Before you print anything, review all the materials in the zip file to decide if you prefer the color or black and white versions of the task cards and print only the pages you need. Print the task cards on sturdy cardstock or construction paper. You might also want to print one of the header cards and one answer key card for each set of task cards. Cut the cards apart and store each set in a plastic zippered bag. When students bag up the cards, ask them to put the header card on top with the answer key next. This will help them identify which sets of cards they need for a particular activity.

©2015 Laura Candler's Teaching Resources — www.lauracandler.com — www.lauracandlerontpt.com 2

Introducing and Reviewing Water Cycle Terms

Before your students use the task cards in activities, show them these mini posters and discuss the meanings of each term. In some cases, students have learned different words to represent the same part of the water cycle, so clarification may be needed. For example, water collecting in lakes and ponds is often referred to as both "accumulation" and "collection."

Condensation vs. Evaporation

Condensation and evaporation are easily confused, especially when represented in pictures. Remind students that evaporation occurs when water is heated and liquid water turns into vapor. Condensation occurs when the reverse happens. Moist air cools and water vapor forms water droplets. Clouds form as a result of warm moist air rising and cooling, then condensing into tiny water droplets.

The same process happens when water is boiled. Many people would say that the plume or the cloud of steam coming from the teakettle shows evaporation, but steam is actually **condensation**. Warm moist air from inside the teakettle condenses as it comes out and contacts the cooler air in the room. After the water condenses into droplets, it then evaporates and disappears into the air. You can't actually see evaporation, so it's difficult to represent. The task cards that show evaporation really show the *results* of evaporation after it's happened, such as a set of paints drying out and becoming hard.

Bonus Plickers Content

I've included an extra folder of bonus content that will be helpful if you use Plickers. Plickers is a free, assessment tool based on the concept of having students use response "clickers" to respond to multiple choice questions during instruction. However, Plickers does away with the need for expensive clickers through the use of "Plickers," or paper clickers, that work like QR codes. Each student is given a unique Plicker that has been assigned by the teacher. The teacher displays a question, and students hold up their Plickers to respond. Depending on the direction each student turns the card, it represents one of four answers (A to D). The teacher scans the cards with a mobile device and can instantly see assessment data including who has the correct answer and who does not.

The only problem with Plickers is that teachers have to enter all questions and answers manually. Recently, they added an option to upload images, which means you can import images of task cards to use as Plickers questions. To make the process easier, I've created images of all the task cards in this product. They're in a separate folder in the zip file, along with a step-by-step tutorial that explains what to do called *Plickers Made Easy with Task Cards*. Before you access this bonus content, go to www.plickers.com to set up your free account and explore their online tutorials. Then open the Plickers folder, read through the tutorial, and create Plickers questions using these task cards.

©2015 Laura Candler's Teaching Resources — www.lauracandler.com — www.lauracandlerontpt.com 3

Parts of the Water Cycle

Precipitation

General name for any form of water falling through the air

Condensation

Water changing from its gas form (water vapor) to a liquid

Evaporation

Water changing from a liquid to a gas (water vapor)

©2015 Laura Candler's Teaching Resources — www.lauracandler.com — www.lauracandlerontpt.com 4

More Parts of the Water Cycle

Run Off

Water flowing over the surface of the earth due to gravity

Accumulation (Collection)

Water collecting in large bodies such as in ponds, lakes, or the ocean.

Transpiration

The process by which plants release water vapor through small pores in their leaves.

©2015 Laura Candler's Teaching Resources — www.lauracandler.com — www.lauracandlerontpt.com 5

Parts of the Water Cycle

Precipitation

General name for any form of water falling through the air

Condensation

Water changing from its gas form (water vapor) to a liquid

Evaporation

Water changing from a liquid to a gas (water vapor)

©2015 Laura Candler's Teaching Resources — www.lauracandler.com — www.lauracandlerontpt.com 6

Water Cycle Task Cards



Set A

Water Cycle Task Cards



Set A

Set A Answers

- | | | | |
|------|------|-------|-------|
| 1. C | 5. B | 9. C | 13. B |
| 2. B | 6. A | 10. C | 14. C |
| 3. A | 7. C | 11. B | 15. A |
| 4. C | 8. A | 12. A | 16. B |

Set A Answers

- | | | | |
|------|------|-------|-------|
| 1. C | 5. B | 9. C | 13. B |
| 2. A | 6. A | 10. C | 14. C |
| 3. B | 7. C | 11. B | 15. A |
| 4. C | 8. A | 12. A | 16. B |

#1

Set A

Drops appearing on a cold pitcher of lemonade

- A. Precipitation
- B. Evaporation
- C. Condensation



#2

Set A

A shirt drying quickly on a windy day

- A. Precipitation
- B. Evaporation
- C. Condensation



#3

Set A

Rain pouring down from a thundercloud

- A. Precipitation
- B. Evaporation
- C. Condensation



#4

Set A

Water dripping from the lid of a pot of boiling water

- A. Precipitation
- B. Evaporation
- C. Condensation



#5

Set A

Glue drying inside an interactive notebook

- A. Precipitation
- B. Evaporation
- C. Condensation



#6

Set A

Snowflakes drifting to the ground

- A. Precipitation
- B. Evaporation
- C. Condensation



#9

Set A

Steam from a hot teakettle

- A. Precipitation
- B. Evaporation
- C. Condensation



#10

Set A

Safety goggles fogging up in a cold science lab

- A. Precipitation
- B. Evaporation
- C. Condensation



#7

Set A

Fog inside the windows of a school bus

- A. Precipitation
- B. Evaporation
- C. Condensation



#8

Set A

Springtime rain shower

- A. Precipitation
- B. Evaporation
- C. Condensation



#11

Set A

Beach towel drying in the sun

- A. Precipitation
- B. Evaporation
- C. Condensation



#12

Set A


Freezing rain and snow during a winter storm

- A. Precipitation
- B. Evaporation
- C. Condensation



#13 **Set A**

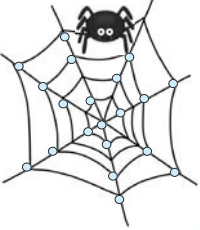
Pond shrinking in size during a drought



A. Precipitation
B. Evaporation
C. Condensation

#14 **Set A**


Dewdrops on a spider web in the morning



A. Precipitation
B. Evaporation
C. Condensation

#15 **Set A**

Morning drizzle on a cool, overcast day at the beach



A. Precipitation
B. Evaporation
C. Condensation


#16 **Set A**

Sweat disappearing from your skin



A. Precipitation
B. Evaporation
C. Condensation

Name _____
Date _____




Water Cycle Task Cards
Set A - Answer Sheet

Circle the letter of the correct answer.

1	A	B	C
2	A	B	C
3	A	B	C
4	A	B	C
5	A	B	C
6	A	B	C
7	A	B	C
8	A	B	C
9	A	B	C
10	A	B	C
11	A	B	C
12	A	B	C
13	A	B	C
14	A	B	C
15	A	B	C
16	A	B	C

Name _____
Date _____




Water Cycle Task Cards
Set A - Answer Sheet


Circle the letter of the correct answer.

1	A	B	C
2	A	B	C
3	A	B	C
4	A	B	C
5	A	B	C
6	A	B	C
7	A	B	C
8	A	B	C
9	A	B	C
10	A	B	C
11	A	B	C
12	A	B	C
13	A	B	C
14	A	B	C
15	A	B	C
16	A	B	C

Water Cycle Task Cards
Set B



Water Cycle Task Cards
Set B



Set B Answers


1. B	5. B	9. C	13. C
2. D	6. B	10. D	14. A
3. C	7. A	11. C	15. B
4. A	8. D	12. A	16. D

Set B Answers

1. B	5. B	9. C	13. C
2. D	6. B	10. D	14. A
3. C	7. A	11. C	15. B
4. A	8. D	12. A	16. D

#1 **Set B**

Stream flowing down the side of a mountain



A. Precipitation
B. Run off
C. Evaporation
D. Accumulation

#2 **Set B**


Watercolors drying out in an open paint tray



A. Precipitation
B. Transpiration
C. Condensation
D. Evaporation

#3 **Set B**


Steam rising from a mug of hot chocolate



A. Precipitation
B. Transpiration
C. Condensation
D. Accumulation

#4 **Set B**


Hailstones falling during a summer thunderstorm



A. Precipitation
B. Transpiration
C. Condensation
D. Run off

#5 **Set B**


A puddle disappearing when the sun comes out after a storm



A. Precipitation
B. Evaporation
C. Run off
D. Accumulation

#6 **Set B**


Seedling releasing moisture into the air through its leaves



A. Precipitation
B. Transpiration
C. Condensation
D. Accumulation

#9 **Set B**


Butterfly's wings drying in the sunshine



A. Precipitation
B. Run off
C. Evaporation
D. Accumulation

#10 **Set B**


Fresh water in a lake



A. Precipitation
B. Transpiration
C. Condensation
D. Accumulation

#7 **Set B**


Snow swirling through the air in a blizzard



A. Precipitation
B. Transpiration
C. Condensation
D. Accumulation

#8 **Set B**


Test tube liquid levels dropping in a warm science lab



A. Precipitation
B. Accumulation
C. Condensation
D. Evaporation

#11 **Set B**

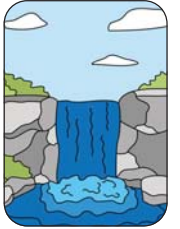
Clouds forming when hot and cold air masses meet



A. Precipitation
B. Transpiration
C. Condensation
D. Accumulation

#12 **Set B**


Water pouring over a high waterfall



A. Run off
B. Transpiration
C. Condensation
D. Collection

#13 **Set B**

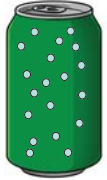
Layers of snow packing together to form glaciers



A. Condensation
B. Precipitation
C. Accumulation
D. Run off

#14 **Set B**


Water drops appearing on a cold drink when the air is humid



A. Condensation
B. Transpiration
C. Precipitation
D. Evaporation

#15 **Set B**


Water vapor being given off from the leaves of a tree



A. Precipitation
B. Transpiration
C. Condensation
D. Accumulation


#16 **Set B**

Icy pellets of sleet falling during a winter storm



A. Accumulation
B. Transpiration
C. Condensation
D. Precipitation

Name _____
Date _____




Water Cycle Task Cards
Set B - Answer Sheet

Circle the letter of the correct answer.

1	A	B	C	D
2	A	B	C	D
3	A	B	C	D
4	A	B	C	D
5	A	B	C	D
6	A	B	C	D
7	A	B	C	D
8	A	B	C	D
9	A	B	C	D
10	A	B	C	D
11	A	B	C	D
12	A	B	C	D
13	A	B	C	D
14	A	B	C	D
15	A	B	C	D
16	A	B	C	D

Name _____
Date _____



Water Cycle Task Cards
Set B - Answer Sheet

Circle the letter of the correct answer.

1	A	B	C	D
2	A	B	C	D
3	A	B	C	D
4	A	B	C	D
5	A	B	C	D
6	A	B	C	D
7	A	B	C	D
8	A	B	C	D
9	A	B	C	D
10	A	B	C	D
11	A	B	C	D
12	A	B	C	D
13	A	B	C	D
14	A	B	C	D
15	A	B	C	D
16	A	B	C	D

Water Cycle Task Cards

Set A



Water Cycle Task Cards

Set A



Set A Answers

- | | | | |
|------|------|-------|-------|
| 1. C | 5. B | 9. C | 13. B |
| 2. B | 6. A | 10. C | 14. C |
| 3. A | 7. C | 11. B | 15. A |
| 4. C | 8. A | 12. A | 16. B |

#1

Set A

Drops appearing on a cold pitcher of lemonade

- A. Precipitation
- B. Evaporation
- C. Condensation



#2

Set A

A shirt drying quickly on a windy day

- A. Precipitation
- B. Evaporation
- C. Condensation



#3

Set A

Rain pouring down from a thundercloud

- A. Precipitation
- B. Evaporation
- C. Condensation



#4

Set A

Water dripping from the lid of a pot of boiling water

- A. Precipitation
- B. Evaporation
- C. Condensation



#5

Set A

Glue drying inside an interactive notebook

- A. Precipitation
- B. Evaporation
- C. Condensation



#6

Set A

Snowflakes drifting to the ground

- A. Precipitation
- B. Evaporation
- C. Condensation



#9

Set A

Steam from a hot teakettle

- A. Precipitation
- B. Evaporation
- C. Condensation



#10

Set A

Safety goggles fogging up in a cold science lab

- A. Precipitation
- B. Evaporation
- C. Condensation



#7

Set A

Fog inside the windows of a school bus

- A. Precipitation
- B. Evaporation
- C. Condensation



#8

Set A

Springtime rain shower

- A. Precipitation
- B. Evaporation
- C. Condensation



#11

Set A

Beach towel drying in the sun

- A. Precipitation
- B. Evaporation
- C. Condensation



#12

Set A

Freezing rain and snow during a winter storm

- A. Precipitation
- B. Evaporation
- C. Condensation



#13

Set A

Pond shrinking in size during a drought

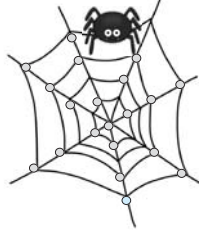


- A. Precipitation
- B. Evaporation
- C. Condensation

#14

Set A

Dewdrops on a spider web in the morning



- A. Precipitation
- B. Evaporation
- C. Condensation

#15

Set A

Morning drizzle on a cool, overcast day at the beach



- A. Precipitation
- B. Evaporation
- C. Condensation

#16

Set A

Sweat disappearing from your skin



- A. Precipitation
- B. Evaporation
- C. Condensation

Water Cycle Task Cards

Set B

Water Cycle Task Cards

Set B

Set B Answers

- | | | | |
|------|------|-------|-------|
| 1. B | 5. B | 9. C | 13. C |
| 2. D | 6. B | 10. D | 14. A |
| 3. C | 7. A | 11. C | 15. B |
| 4. A | 8. D | 12. A | 16. D |

Set B Answers

- | | | | |
|------|------|-------|-------|
| 1. B | 5. B | 9. C | 13. C |
| 2. D | 6. B | 10. D | 14. A |
| 3. C | 7. A | 11. C | 15. B |
| 4. A | 8. D | 12. A | 16. D |

#1

Set B

Stream flowing down the side of a mountain

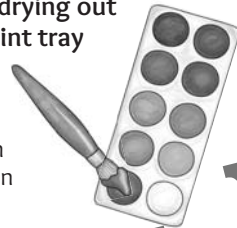


- A. Precipitation
- B. Run off
- C. Evaporation
- D. Accumulation

#2

Set B

Watercolors drying out in an open paint tray



- A. Precipitation
- B. Transpiration
- C. Condensation
- D. Evaporation

#5

Set B

A puddle disappearing when the sun comes out after a storm



- A. Precipitation
- B. Evaporation
- C. Run off
- D. Accumulation

#6

Set B

Seedling releasing moisture into the air through its leaves



- A. Precipitation
- B. Transpiration
- C. Condensation
- D. Accumulation

#3

Set B

Steam rising from a mug of hot chocolate



- A. Precipitation
- B. Transpiration
- C. Condensation
- D. Accumulation

#4

Set B

Hailstones falling during a summer thunderstorm



- A. Precipitation
- B. Transpiration
- C. Condensation
- D. Run off

#7

Set B

Snow swirling through the air in a blizzard

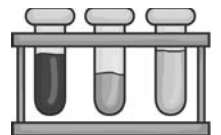


- A. Precipitation
- B. Transpiration
- C. Condensation
- D. Accumulation

#8

Set B

Test tube liquid levels dropping in a warm science lab



- A. Precipitation
- B. Accumulation
- C. Condensation
- D. Evaporation

#9

Set B

Butterfly's wings drying in the sunshine



- A. Precipitation
- B. Run off
- C. Evaporation
- D. Accumulation

#10

Set B

Fresh water in a lake



- A. Precipitation
- B. Transpiration
- C. Condensation
- D. Accumulation

#13

Set B

Layers of snow packing together to form glaciers

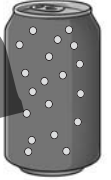


- A. Condensation
- B. Precipitation
- C. Accumulation
- D. Run off

#14

Set B

Water drops appearing on a cold drink when the air is humid



- A. Condensation
- B. Transpiration
- C. Precipitation
- D. Evaporation

#11

Set B

Clouds forming when hot and cold air masses meet



- A. Precipitation
- B. Transpiration
- C. Condensation
- D. Accumulation

#12

Set B

Water pouring over a high waterfall



- A. Run off
- B. Transpiration
- C. Condensation
- D. Collection

#15

Set B

Water vapor being given off from the leaves of a tree



- A. Precipitation
- B. Transpiration
- C. Condensation
- D. Accumulation

#16

Set B

Icy pellets of sleet falling during a winter storm



- A. Accumulation
- B. Transpiration
- C. Condensation
- D. Precipitation

Preview Version