

## The Challenges – Teacher Resources

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### Water Cycle Game

#### Objective

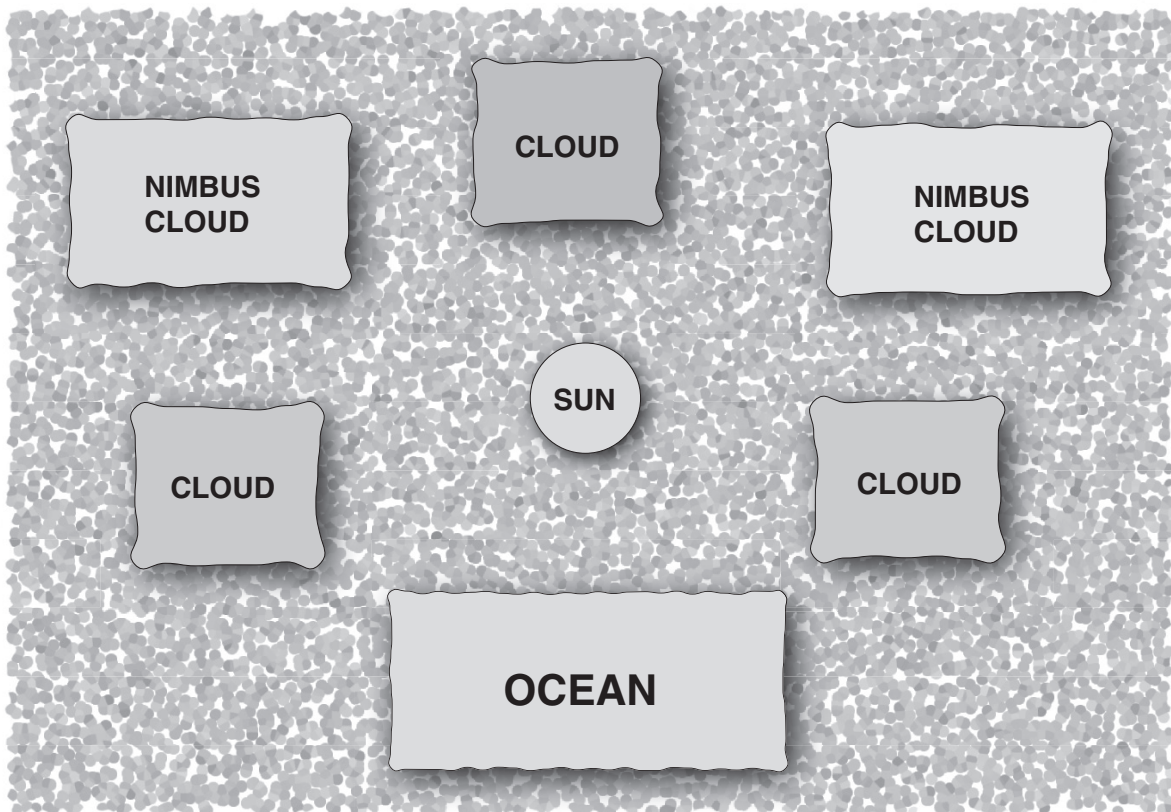
This outdoor game will allow students to move around as waterdrops as they become more familiar with the water cycle.

#### Materials

- Outdoor area
- Two or three mats or carpet squares labeled “cloud”
- One or two large mats or several carpet squares together labeled “nimbus cloud” (The number of clouds and nimbus clouds should be determined based on the number of students.)
- Area designated as “ocean”

#### Set-up

1. Designate the areas for ocean, clouds, and nimbus clouds, so that students may form a circle.
2. Place eight–10 students in the ocean.
3. Place five–six students in the nimbus clouds (at least one mat with five).
4. Place six–eight students in the clouds (at least one mat with three).
5. The teacher is the sun and will stand in the center of the circle.

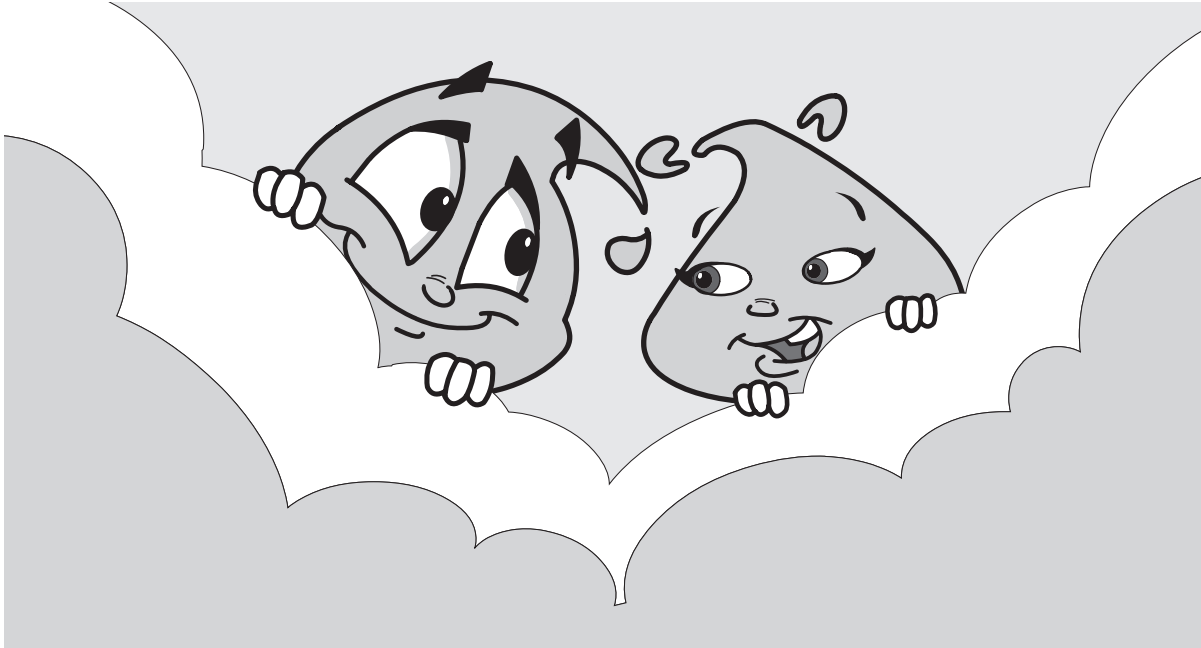


The teacher is the sun in the center of the circle.

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### Rules

Students will move to a different location, if allowed, when the whistle blows.

- **Ocean group:** The goal is to become a cloud.
  - When the whistle blows, students in the ocean will shout “Evaporation!” and run to the cloud section.
  - In order to become a cloud, three people must be standing on one cloud mat.
  - If they can’t become a cloud, they are a waterdrop and must remain in the cloud section until enough people join them to move on.
- **Cloud group:** The goal is to become a nimbus cloud.
  - When the whistle blows, students who make up a cloud (three students) should condense and run to a nimbus cloud.
  - In order to become a nimbus cloud, five people must be standing on the nimbus cloud mat.
  - If they can’t become a nimbus cloud, they stay in the nimbus section. On their next turn, they stand on the nimbus mat and wait for other cloud people to join them.
- **Nimbus group:** The goal is to precipitate into the ocean.
  - When the whistle blows, students that make up the nimbus cloud (must be five) should precipitate and run to the ocean. There is no limit on the number of students who can be in the ocean at one time.

Continue the cycle until students have a good understanding of the movement of waterdrops through the water cycle. Depending on the number of students (or two classes together), you might add more mats and include other parts of the water cycle.

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