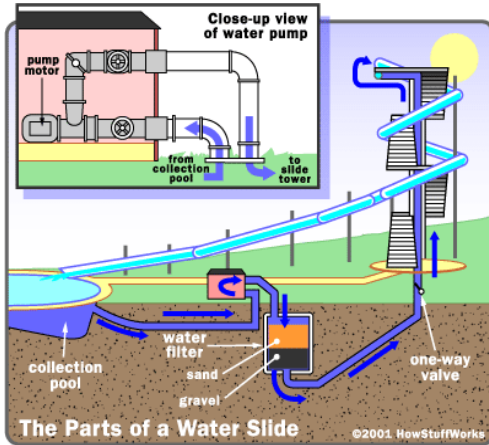


Water-Wise Water Park



You are going to plan your own water park, for which the unifying theme will be Water Conservation. The challenge is that your park should limit the amount of wasted water as much as possible. Fun fact: according to WeatherQuestions.com, water evaporates from the surface of the Earth at an average rate of $1/8^{\text{th}}$ of an inch per day. It is your mission to make sure that most of that water is reused or recycled in your park.

Objective: Use your knowledge of the water cycle and

oceanography to design a water park that wastes very little water and reuses water in efficient and creative ways.

Requirements

1. A description of your plan to conserve water.
2. Drawing and description of each ride; a minimum of 5 rides should be in your park.
 - a. You must have an attraction in your park that has waves. In your description, you must describe what a wave is and how the waves in the attraction are created. (example: wave pool)
 - b. You must have an attraction in your park that functions with a water current. In your description, you must describe what a current is and how the current operates for the attraction. (example: lazy river)
3. Detailed and colored map of all attractions and park facilities (e.g. restrooms, food stands). A map key should be included to help your guests find all facilities and rides.
4. The location of the park within the United States. Ensure you've taken into account regional effects on the water cycle when selecting a location – some areas of the United States are known to have higher evaporation rates than others. Your park should also be open for six months of the year (think average temperature).
5. A presentation of your park.
 - a. Your presentation must include specifics on how your park is environmentally friendly, how you chose your location, a description of each ride, and finally why people should visit your park.
 - b. Presentations may be given using PowerPoint, Prezi, and/or tri-fold board.



Park Title _____

Group Members

All members of the team will participate in all aspects of the project. Each member of the team will be in charge of making sure one area of the project is complete and accurate. See below for a description of each job. You will be held responsible for being a hard-working member of the team and for fulfilling the job you have chosen to take.



1. **Spokesperson:** This person will be in charge leading the park presentation. He or she will create a presentation that highlights all of the benefits of the park and assign group members topics to present. The Spokesperson will also serve as the liaison (a person in charge of communication) between the group members and the teacher.

Group Member: _____



2. **Head Attraction Planner:** This person will be in charge of coming up with the attractions (or saying yes/no to ideas brought up by other team members). The Head Attraction Planner will work closely with the Head Environmentalist to ensure that the attractions are water-wise.

Group Member: _____



3. **Head Environmentalist:** This person will be in charge of making sure no water is wasted on each ride. He or she will approve the rides based on how environmentally friendly and water-wise they are before the ride is put in the park.

Group Member: _____



4. **Head Park Designer:** This person is in charge of the final design of the park. He or she will choose the best placement for each attraction and park facility and will direct the group during construction of the map.

Group Member: _____

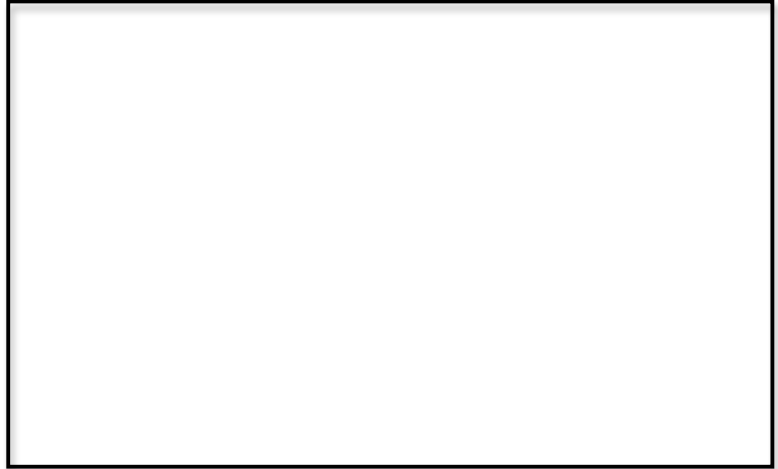
Due Date: _____

Park Title _____

Blueprint of Rides and Attractions

1. Name of Attraction: _____

Description of attraction:

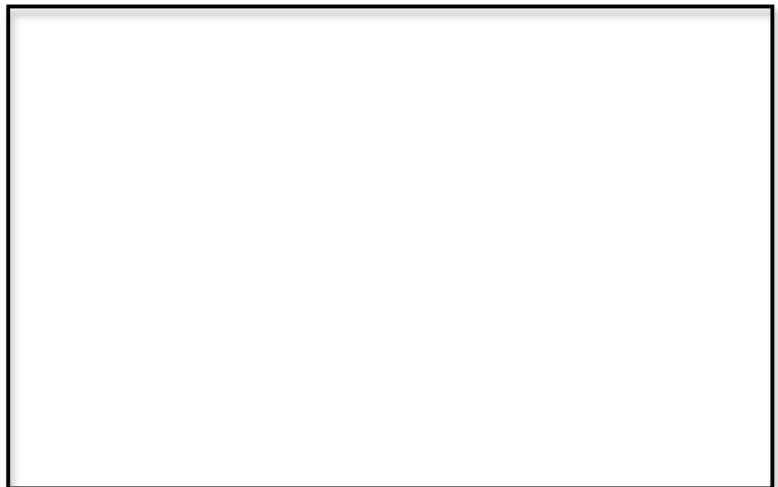


Sketch of attraction.

Please include the flow of water through your attraction using arrows.

2. Name of Attraction: _____

Description of attraction:



Sketch of attraction.

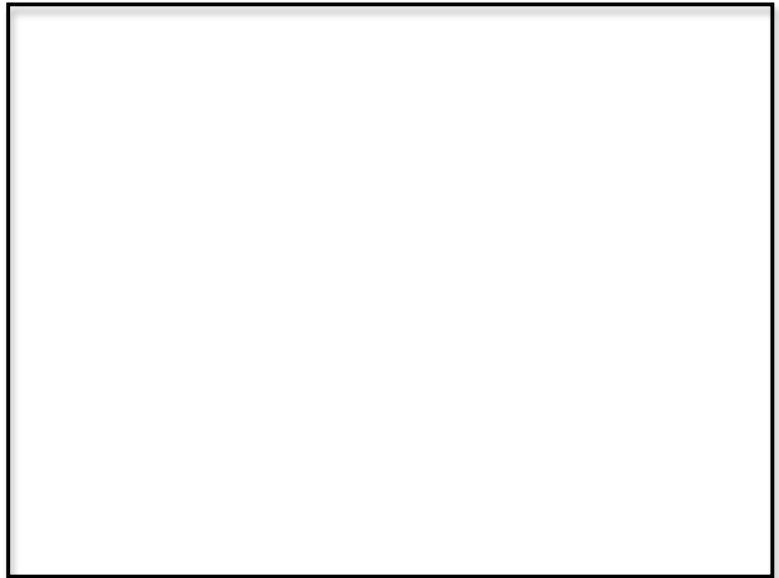
Please include the flow of water through your attraction using arrows.

Due Date: _____

Park Title _____

3. Name of Attraction: _____

Description of attraction:

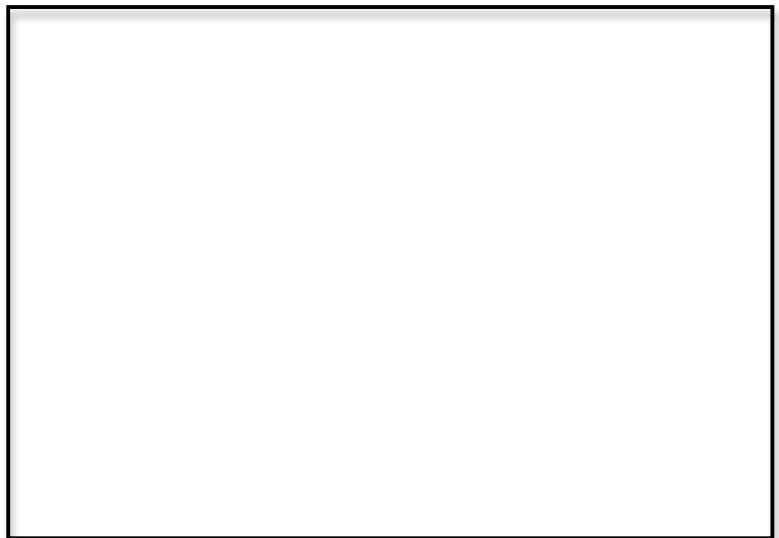


Sketch of attraction.

Please include the flow of water through your attraction using arrows.

4. Name of Attraction: _____

Description of attraction:



Sketch of attraction.

Please include the flow of water through your attraction using arrows.

Due Date: _____

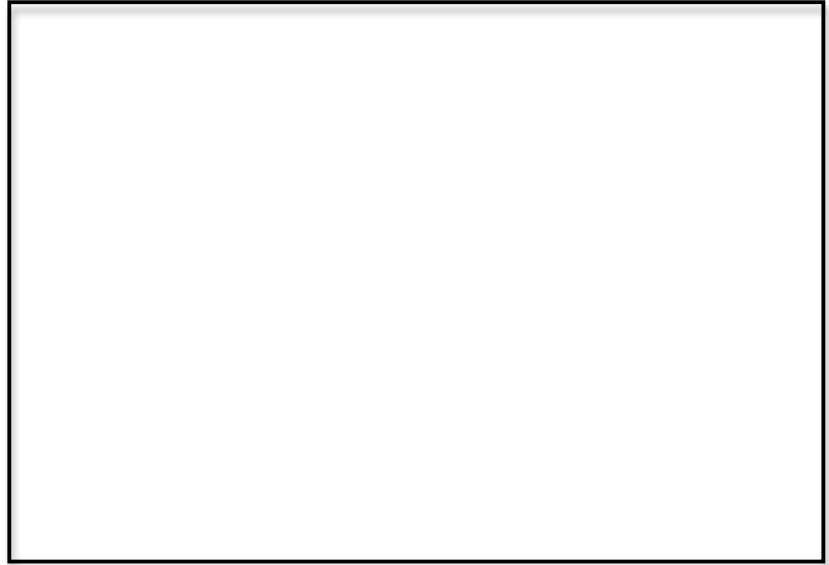
Park Title _____

5. Name of Attraction: _____

Description of
attraction:

Sketch of attraction.

Please include the flow
of water through your
attraction using arrows.



**You must receive your teacher's initials before moving on
to the final draft of your park map _____**

Due Date: _____

Park Title _____

Water-Wise Water Park Rubric

Points Earned _____

Planning	Group has not planned out all of the required aspects of the park. <p style="text-align: right;">(5-10 points)</p>	Group has planned out all of the required aspects of the park, but not all in complete sentences. <p style="text-align: right;">(10-15 points)</p>	Group has thoroughly planned out all required aspects of the park in complete sentences. <p style="text-align: center;">(page three)</p> <p style="text-align: right;">(15-20 points)</p>
Attraction Design	Group has designed less than 5 rides with/without detailed descriptions and sketches with/without correct water flow for each ride. <p style="text-align: right;">(5-10 points)</p>	Group has designed at least 5 rides and included somewhat detailed descriptions and sketches with/without correct water flow for each ride. <p style="text-align: right;">(10-15 points)</p>	Group has designed at least 5 rides and included detailed descriptions and sketches with correct water flow for each ride. (pages 4-6) <p style="text-align: right;">(15-20 points)</p>
Job Requirements	Group member did not serve as a leader in his or her job and/or did not fulfill all job requirements. <p style="text-align: right;">(5-10 points)</p>	Group member has fulfilled all job requirements of the job, but did not always serve as a strong leader. <p style="text-align: right;">(10-15 points)</p>	Group member has served as a leader in his or her job and fulfilled all job requirements, which can be found on page two. <p style="text-align: right;">(15-20 points)</p>
Map Design	Map of park is not detailed, and/or not colored, and/or not creative. Most rides, attractions, and facilities are included. A key has/has not been included. <p style="text-align: right;">(5-10 points)</p>	Map of the park is somewhat detailed, colored, and creative. All rides, attractions, and park facilities are included. A key has/ has not been included to show where to find facilities. <p style="text-align: right;">(10-15 points)</p>	Map of park is detailed, colored, and creative. All rides, attractions, and park facilities are included. A key has been included to show where to find facilities. <p style="text-align: right;">(15-20 points)</p>
Park Presentation	Presentation is somewhat creative and includes some of the required information. Most group members participated appropriately in the presentation. <p style="text-align: right;">(5-10 points)</p>	Presentation is somewhat creative and includes almost all required information. All group members participated in the presentation. <p style="text-align: right;">(10-15 points)</p>	Presentation is creative and includes all required information, which can be found on page one. All group members participate appropriately in the presentation. <p style="text-align: right;">(15-20 points)</p>

Due Date: _____