



**California Conservation Corps
Watershed Stewards Program
in partnership with AmeriCorps**



*Adapted from Gonzaga University's Science in Action!

Build your own Watershed Model

Materials:

- 1 large foil or metal tray
- 1 large piece of aluminum foil
- 1 spray bottle
- Scrap or Newspaper
- Tape
- Food coloring dropper bottles
- Different colored powders such as Kool-Aid mix, cocoa powder, iced tea
- Sprinkles
- Different colored markers, colored pencils or crayons

Procedure :

1. Crumple up the scrap paper to create "mountains", with a space or "river" between them. Tape them into place.
2. Lay the sheet of aluminum foil over the entire tray.
3. Press the aluminum foil to form around the "mountains". You have now made a watershed!
4. Add powders/food coloring to represent different types of pollution in a watershed. Some examples:
5. Food coloring= car oil, sewage
6. Sprinkles= litter, dog poop
7. Powder= pesticides, fertilizer
8. Make it rain! Use the spray bottle to show what happens to the water when it rains and creates runoff. Use a lot of water.
9. Discuss what you observe



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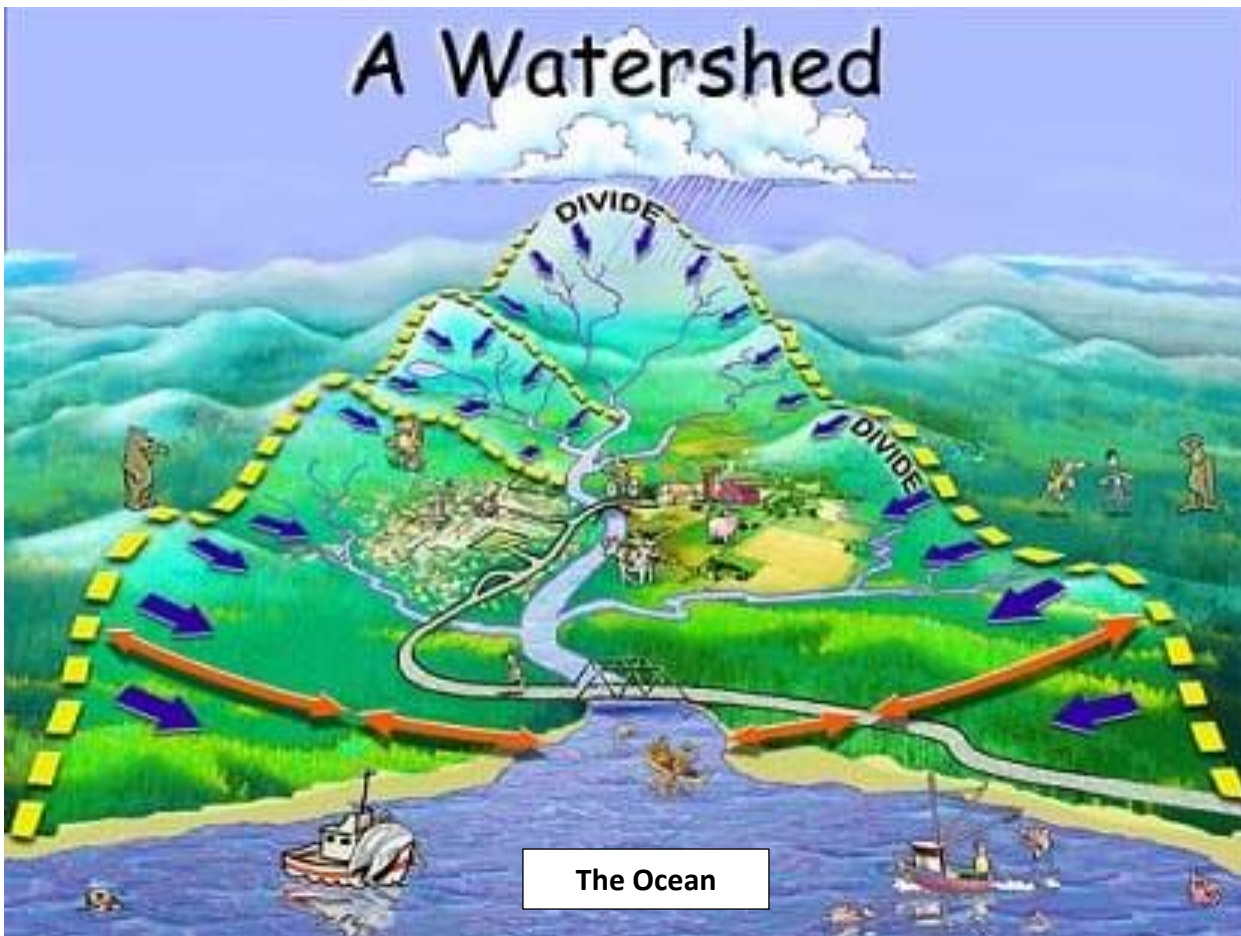
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Watershed Visual

Here is a picture of a watershed. Do you see the boundary “Divide” line? It’s the top of the mountains and that is the line that shows the area of land that defines the **watershed**.

Any precipitation in this watershed will **runoff** into the rivers and ocean.





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Prediction

What will happen to the pollution in the watershed model when it is sprayed?

What is surface runoff?

What watershed do you live in?



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Conclusion

What happens to pollution when it rains?