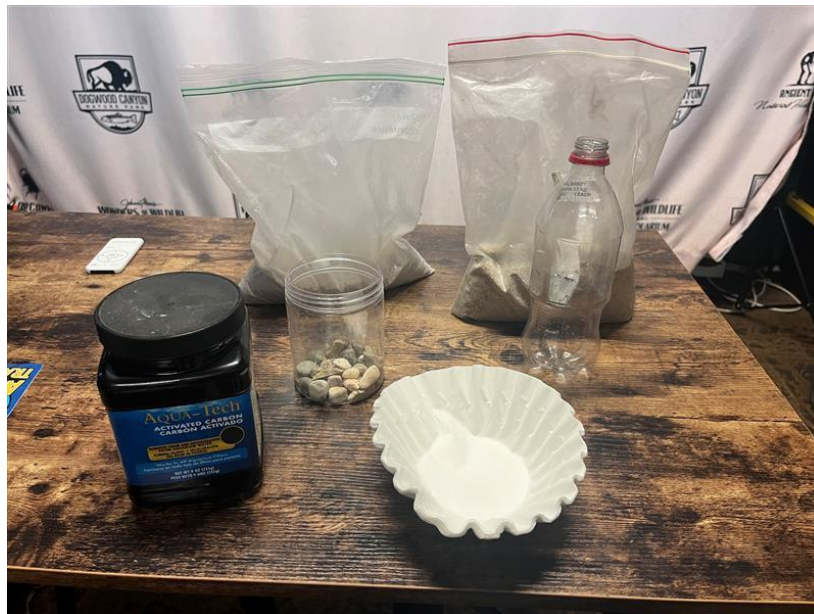


# MISSION CONSERVATION ACTIVITY GUIDE

February 2025 – Wandering the Wetlands

According to the Environment Protection Agency, wetlands are loosely defined as areas where water covers the soil. Sometimes wetlands exist year round, while some dry up and reappear depending on the season. Wetlands serve as a source of clean water for both humans and animals. They also serve as nurseries for many animals, as well as filters for pollution.

## Indoor Activity: Water Bottle Filter



### Materials:

- Empty water bottle
- Course sand
- Fine sand
- Charcoal (optional)
- Small rocks
- Cloth
- Rubber band

# MISSION CONSERVATION ACTIVITY GUIDE

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## Procedure:

1. Cut the top part of the water bottle. Do not throw it away.
2. Use a rubber band to attach a piece of cloth to the top part of the water bottle.



3. Stick the top part of the water bottle inside the bottom part.



4. Begin layering materials. From bottom to top it should go fine side, charcoal, coarse sand, and then rocks.
5. Pour some dirty water down at watch as the water gets filtered.

# MISSION CONSERVATION ACTIVITY GUIDE

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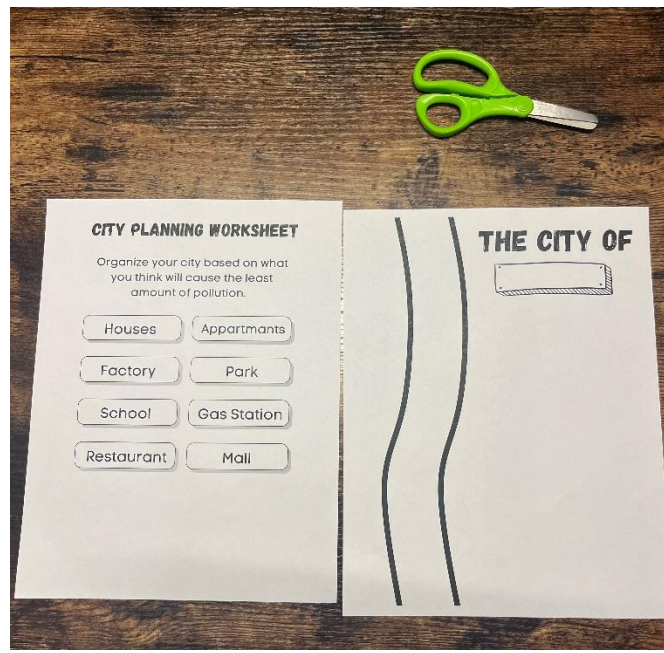


Wetlands are more than just an important ecosystem. Wetlands are also a source of freshwater for many areas. When there's more pollution than the wetlands can process, things can become problematic for plants, animals, and humans alike. For this project you're going to design your own city next to this stream. Keep in mind what happens upstream eventually makes it downstream. If you put high polluting buildings toward the top of the stream, it means that everyone will have to deal with that pollution. Keep that in mind when you're organizing your city, and try to put them in an order that minimizes environmental impact.

# MISSION CONSERVATION ACTIVITY GUIDE

February 2025 – Wandering the Wetlands

## Indoor Activity: City Planning



### Materials:

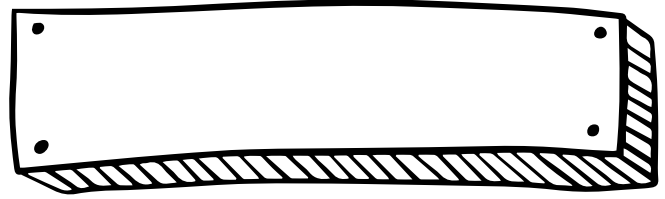
- Scissors
- Glue
- Pencils (if desired)
- Print outs (see the last two pages of activity guide)

### Procedure:

1. Cut out buildings.
2. Glue them from top to bottom based on the order you think they should go in. Be mindful of how much pollution each of these things creates, and how it might affect both the environment and the city itself.

We hope you enjoyed the activity guide this month! Don't forget to check out us at home mission for this month! To see a list of our other missions, or to learn more about Wonders of Wildlife, visit us at <https://wondersofwildlife.org/mission-conservation/>

**THE CITY OF**



# CITY PLANNING WORKSHEET

Organize your city based on what you think will cause the least amount of pollution.

Houses

Appartmants

Factory

Park

School

Gas Station

Restaurant

Mall