

APES- Recycle City

Website: www.epa.gov/recyclecity

Name: _____

Recycle City is divided into 4 quadrants- all of the parts of the city are clickable! You will need to explore the city to complete this quest.

1. Name ways that each of these items can be reused, instead of throwing them away.

- *Cardboard box*
- *Plastic Milk Carton*
- *Glass Jar*
- *Newspaper*

2) Where in Recycle City can you get information on what to do with leftover cleaning products? *Why is it important that we not throw chemicals into the regular trash?*

3) Visit some houses in Recycle City. Make a list of **4 hazardous wastes** that can be found in those homes.

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4) Cruise around Recycle City and write down **2 tips you can use to reduce pollution and waste that come from cars.**

5) Gas stations aren't just places to fill up the tank. Can you find 2 things that Shaq at the **Recycle City Gas Station does to help the environment?**

6) Identify **2 recycling activities** that Recycle City students use to help raise money for class projects.

7) Name **4 car parts** that can be re-used rather than thrown away.

8) Find **3 places in Recycle City where books are resold or reused.**

9) Harlin Hazzard of the Recycle City Hazardous Waste Center wants to hire you as his assistant manager. ***Before you can accept, you must name 4 characteristics that make hazardous waste hazardous.***

10) You have been hired to build a landfill for a neighborhood community. Use Recycle City's landfill to help you. ***What are the 5 layers that a landfill needs to be safe?***

11) How can your family cut down on the amount of **junk mail** you receive at home?

12) Name **3 places in Recycle City** you can find **used tires**. *Look carefully.*

13) Look at some businesses in Recycle City. ***List 2 things businesses can do to reduce the amount of waster.***

14) What are compost bins? ***Name 2 places in Recycle City where you can find a compost bin.***

Play the Dumptown Game- Click on the link on the road sign that says, "Dumptown Game." Carefully read the instructions before playing the game. The overall idea is that you start with a dumpy, dirty city, and you will start recycling programs that will improve your city.

15) Your goal is to reduce the amount of paper going into the landfill, while spending as little money as possible. ***Determine what combination of programs will cause the greatest effect for the least cost.***

Take notes:

16) What combination of programs did you use? **Check the bar graph**, *how many tons of paper and cardboard did you end up with? How much did it cost?*

17) Now try to reduce the overall waste in the city. **You cannot spend more than \$200,000.** Try different combinations of programs to determine which combinations will get you the most benefits for your money. *Which combinations of programs did you use?*

What was the total waste recovered?

How much did it cost?