



## Working Green



photo courtesy energy.gov

### Mini Fact:

Solar power is the most plentiful energy source on Earth.



### Hydrology

A **hydrologist** is a scientist who studies how water moves on and beneath the Earth's surface. Hydrologists are concerned about the Earth's water supply, so they work with engineers and public officials to figure out the best ways to save and use water.



photo by Deena Green, USGS



### Atmospheric Science

**Atmospheric** (at-mus-FEER-ick) scientists and **meteorologists** (me-te-or-AHL-o-jists) study our climate and weather. They examine how these processes affect the planet and people, and how people affect the processes.



photo courtesy NOAA



### Forestry and Conservation

**Foresters** keep track of our forests, measuring growth and studying how events like wildfires and insect attacks change and shape our wild lands.



USDA photo by Bob Nichols



### Urban and Regional Planning

**Urban planners** come up with ideas about how to use land. They help develop communities and figure out the best ways to work with growing populations. They also make plans for older towns and cities that will **revitalize** them, or bring them back to life.



photo courtesy Dublinohiousa.gov



### Geoscience

**Geoscientists** study our planet's **physical** (FIZ-ih-kul) qualities, such as what the planet is made of and how it is changing. They use historical records and current data to find out what changes might happen in the future.



photo courtesy NPS



### Alternative Energy

Alternative energy sources include **wind**, **geothermal** (energy created from the heat of the Earth's interior), **solar**, **waves**, **tides** and **biofuels**. Biofuels are sources of energy created from biological raw materials, such as plants, grains or animal-based oils. Workers in these fields include scientists, technicians, construction workers, farmers and salespeople.



Department of Energy / NREL  
photo by Dennis Schroeder



### Recycling

Recycling goes way beyond putting your paper and plastic in a bin at home. For recycling to work, the industry needs drivers to pick up the materials, facility workers to process them and salespeople to sell the processed materials for reuse.



### Looking ahead

What do most of these jobs have in common? Many of them depend on a good knowledge of science! So if any of these green careers appeal to you, work hard in your science classes, and think about ways you can be eco-friendly now.

## Resources



#### On the Web:

- [go.nasa.gov/2Jj5OiO](http://go.nasa.gov/2Jj5OiO)

#### At the library:

- "Dream Jobs in Green & Sustainable Living" by Cynthia O'Brien

## Try 'n' Find

Words that remind us of green jobs are hidden in this puzzle. Some words are hidden backward or diagonally, and some letters are used twice. See if you can find:



ATMOSPHERIC,  
CAREERS, CLIMATE,  
DAY, EARTH, ENERGY,  
FORESTER, GEOSCIENCE,  
HYDROLOGY, JOBS,  
LABOR, METEOROLOGIST,  
PHYSICAL, PLANNER,  
RECYCLING, SCIENCE,  
URBAN, WATER,  
WEATHER.

E X B T P R E N N A L P V E S  
C T Z K E T A M I L C P E N C  
N E C N E I C S D A Y S A E A  
E H Y D R O L O G Y Y B R R R  
I R E C Y C L I N G R O T G E  
C R E T S E R O F U B J H Y E  
S E C I R E H P S O M T A A R  
O T P H Y S I C A L Q O K N S  
E A W E A T H E R O R O B A L  
G W M E T E O R O L O G I S T

## Cook's Corner

### Cool as a Cucumber Salad

#### You'll need:

- 2 medium cucumbers, peeled and thinly sliced
- 4 ounces light sour cream
- 2 tablespoons distilled white vinegar
- 2 tablespoons sugar

- 1/2 teaspoon garlic powder
- 1/2 teaspoon dried dill
- salt and pepper to taste



#### What to do:

1. Place sliced cucumbers in ice water to chill in refrigerator for 4 to 6 hours.
2. Drain cucumbers and remove most of the moisture with paper towels.
3. In a separate bowl, whisk sour cream, vinegar, sugar and spices until thoroughly mixed.
4. Stir mixture in with cucumbers. Serve chilled. Serves 4.

\* You'll need an adult's help with this recipe.

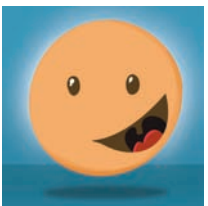
## 7 Little Words for Kids

Use the letters in the boxes to make a word with the same meaning as the clue. The numbers in parentheses represent the number of letters in the solution. Each letter combination can be used only once, but all letter combinations will be necessary to complete the puzzle.

1. where planes land (7) \_\_\_\_\_
2. you clean your mouth with it (10) \_\_\_\_\_
3. scratchy like sandpaper (5) \_\_\_\_\_
4. there are 12 in a foot (6) \_\_\_\_\_
5. sobbed (5) \_\_\_\_\_
6. room for cooking (7) \_\_\_\_\_
7. table and chairs (9) \_\_\_\_\_

GH	HES	NIT	THB
KITC	AIR	IED	ROU
RUSH	FUR	URE	HEN
CR	TOO	INC	PORT

Answers: airport, toothbrush, rough, inches, cried, kitchen, furniture.



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## Mini Jokes



**Bonnie:** Why don't oysters

share their pearls?

**Ben:** Because they're shellfish!

## Eco Note



We can use tidal energy in some places instead of burning coal and oil that contribute to global warming. Tidal generators (or turbines) work like wind turbines, except it is ocean currents, not wind, that turn them. The spinning turbine is connected to another device that produces electricity. The electricity then travels through wires to a city where people need it. Unlike the wind, the tides are very predictable. So it's easy to decide where to put tidal turbines and figure out how much energy they will generate.

adapted from [climatekids.nasa.gov](http://climatekids.nasa.gov)

## For later:

Look in your newspaper for articles about people doing "green" jobs.

**Teachers:** For standards-based activities to accompany this feature, visit: [bit.ly/MPstandards](http://bit.ly/MPstandards). And follow The Mini Page on Facebook!



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