

## 9. The Money Tree

Some high school students involved in the city's 7th annual park restoration and cleanup day this weekend did cleanup in a real big way! The students uncovered a paper bag while planting a tree filled with money. The police, who took charge when the bag was found, believes the money was stolen in a bank robbery twelve years ago. The culprits were caught, but never was the money found.

The students who recovered the treasure, nearly \$5,000, are hoping the bank will offer them a reward for there honesty. "I've never seen so much money in my life," said one of the young men, but I certainly wouldn't have any problem thinking of ways to spending it. Who says money doesn't grow on trees? he added. Bank Officers were not available for **comment.**



During the city's park restoration and cleanup day, students from Blach High School uncovered a plastic bag containing \$50,000. Police theorize that the money was stolen from a bank twenty years ago.

**Find the 13 errors in this activity.**

**There are no errors in the illustration or the caption.**

## 27. Granting Health

August 15, 1993

Dr. Gloria Lin Director  
American Geriatric Association  
113 Ringwood Drive  
Houston, TX, 77111

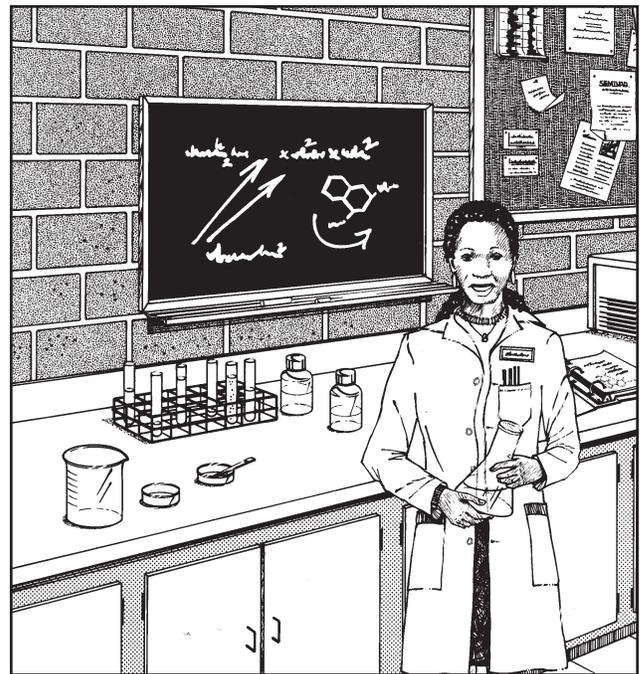
Dear dr. Lin,

No one wants too see a child die of a heart attack. The St. George Institute is leading the fight against cholesterol disorders that can claim young lives.

Although some forms of cholesterol disorders can be treated with diet and drugs the lethal form of familial hypercholesterolemia is a more serious phenomena. Mutated genes produce an abnormal form of the low-density-lipoprotein (LDL) receptor. The liver is rendered incapable of removing LDL from the blood. As a result, patients as young as ten years old develop arteriosclerosis, which can lead to fatal heart attacks and strokes.

Thanks to your June, 92 grant of \$50,000, our team were able to complete research that enabled us to provide gene therapy to three patients. The results bode well for more widespread treatment. In fact with your grant of \$300,000, the St. George Institute of Molecular Research could extend its treatment capabilities to the international community.

The accompanying application details



Hoping to be awarded a \$500,000 grant, Dr. Jackson sent the adjoining letter to the American Genetic Association. Above, Dr. Jackson poses after receiving the award, which she will use to expand facilities for the treatment of familial hypercholesterolemia at the St. George Institute of Molecular Research.

the research, procedures, and follow-up activities that we have implemented. Two independent analysis of our plans for facilities expansion, as well as the projected increase in treatment capability, is included. The enclosed vitae list the backgrounds and past experience of my clinical team.

Your consideration is greatly appreciated.

Sincerely;

*Claudia A. Jackson*  
**Claudia A. Jackson, Ph.D.**

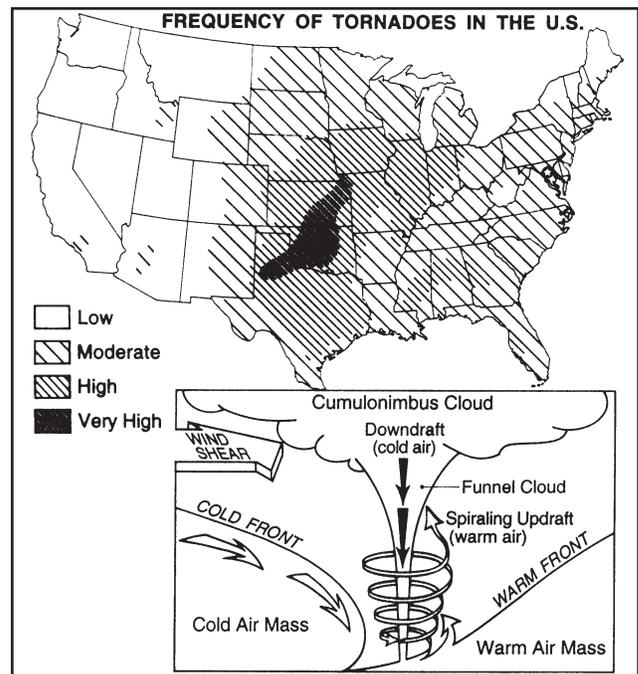
**Find the 16 errors in this activity.  
There are no errors in the illustration or the caption.**

### 23. Recipe for Destruction

The powerful, violent wind storms known as tornadoes are found in areas where large masses of rapidly moving cold, dry air overrun warm humid air. In the United States, this condition occurs most frequently in the southwest and the south during the Spring and early Summer.

When a cold front overruns a warm front. The warm air rises and the cold air descends. Large masses of rapidly rising warm, humid air (updrafts) form cumulo-nimbus clouds (thunderclouds). Cumulo-nimbus clouds reach high into the stratosphere where the air in the warm updrafts cools and descends, the resulting downdrafts carry rain.

The strong downdrafts in the thundercloud is the first ingredient in forming a tornado. The second requirement is for the air too start rotating. This occurs when a crosswind creates a shear that cuts through the cumulus cloud. The shear blows past the warm updrafts, make the air spiral, as this warm air spins faster, the spiral tightens and draws in more warm air. Eventually, a whirlpool shape is formed with spiraling updrafts surrounding an increasingly strong downdraft. The funnel of this whirlpool shape begins stretching down out of the cloud. When the funnel cloud reaches the ground, it can contain winds moving at more than 3000 miles per hour!



Tornadoes require two conditions to form:

1. A rapidly moving cold front overruns a warm front.
  - Strong updrafts form as warm air trapped under the oncoming cold air mass tries to rise.
  - Updrafts carrying warm, moist air form towering cumulonimbus clouds (thunderclouds).
2. A strong crosswind creates a shear that cuts through the cumulonimbus cloud.
  - The shear causes the updrafts to spin and eventually form a whirlpool shape with spiraling updrafts surrounding a downdraft.
  - The funnel of the whirlpool shape drops out of the cumulonimbus cloud.
  - When the funnel cloud reaches the ground, winds in the tornado can exceed 300 mph.

**Find the 14 errors in this activity.**

**There are no errors in the illustration or the caption.**