"Twin" Snowflakes?

Question: Can two snowflakes ever be exactly alike?

Hypothesis: _____

_____

Investigation:

Use the websites provided by your teacher to learn about recent research in snowflake formation. Then answer each of these questions, using complete, detailed sentences.

Snow Crystals: Identical Twins http://www.snowcrystals.com/identicaltwins/identicaltwins.html

1. How were these images produced? _____

_____

2. Were these images made from snowflakes in nature? Explain your answer. _____

_____

_____

3. What happened to the two snowflakes in the last movie? Explain the reason this happened.

_____

_____

_____

Snow Crystals: Designer Snowflakes http://www.snowcrystals.com/designer/designer.html

1. Why does this author call them "designer" snowflakes? _____

_____

2. Tell two of the steps in the process of creating "designer" snowflakes. _____

_____

_____

_____

"Twin" Snowflakes?

Snow Crystals: Snowflake Science http://www.snowcrystals.com/science/science.html

1. Why are snow crystals hexagonal? _____

_____

_____

2. Tell two NEW things you learned about the shape of snow crystals. (not that snowflakes have 6 sides)

_____

_____

_____

_____

_____

_____

Analyze: What two factors are the main influence on a snow crystal's shape?

_____

_____

_____

_____

Conclude: Can two snow crystals ever be exactly the same? _____

Is this likely to happen in nature? _____ Why or why not? _____

_____

_____

_____

_____