

Lesson – Storms

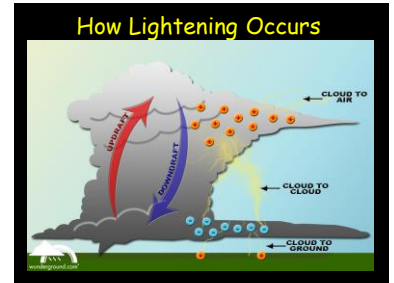
THE FOLLOWING VIDEO HAS BEEN APPROVED FOR ALL AUDIENCES BY THE EARTH SCIENCE TEACHERS ASSOCIATION OF AMERICA, INC. THE VIDEO HAS BEEN RATED

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| 1 | INTELLIGENT<br>UNDER 15 REQUIRES TEACHER ASSISTANCE. |
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STRONG EARTH SCIENCE LANGUAGE, DETAILED DIAGRAMS, AND SAFETY AWARENESS.

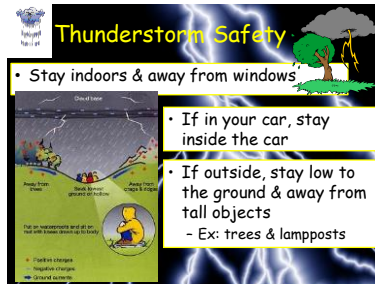


- I can describe safety precautions for a thunderstorm
- I can describe safety precautions for a tornado
- I can describe safety precautions for a blizzard
- I can describe safety precautions for a hurricane



### Thunderstorm Safety

- Stay indoors & away from windows
- If in your car, stay inside the car
- If outside, stay low to the ground & away from tall objects  
- Ex: trees & lampposts



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### Tornadoes Form by...

**The birth of a tor**

These clouds can be thought of as giant mixers. They are formed by air rising, which causes it to cool and condense into tiny droplets. If air rises quickly, condensation and rain can form.

**TROPICALE**

**WARM AIR** rises rapidly.

**COOL AIR** sinks rapidly.

**WIND** causes air to rotate.

**MOISTURE** is needed for clouds to form.

**LOW PRESSURE** causes air to rise.

**THIS WARM AIR SPINS** upward explosively forming a tornado.

**SCIENCE 27**

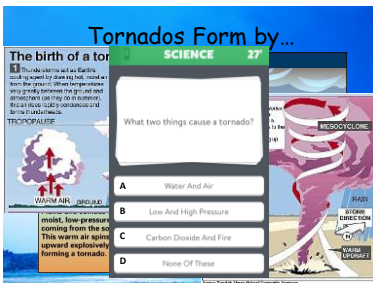
What two things cause a tornado?

**A** Water And Air

**B** Low And High Pressure

**C** Carbon Dioxide And Fire

**D** None Of These




### Tornado Safety



- Go into a basement or storm cellar  
- If None
- Stay away from windows
- Stay away from heavy objects
- If in a car, try to get under an overpass

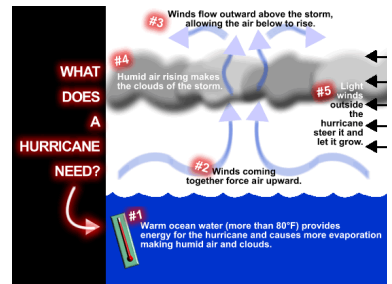
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### Blizzard Safety

- Stay in doors
- Dress warm & keep dry
- Have food & supplies
- Have batteries & back up heat source if the power goes out

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### Hurricane Safety

Hurricane Evacuation Routes

- Board or tape up windows & **EVACUATE**
  - Especially in coastal areas due to **storm surge**
- If you can't leave
  - Make sure you have food & medical supplies
  - Batteries, generator, candles, water etc.



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