



Disaster management

Topic: hydrological and other type of disaster

What is Hydrometeorological Disaster



Hydrometeorological Disaster

- is a process or phenomenon of atmospheric, hydrological or oceanographic nature that may cause loss of life, injury or other health impacts, property damage, loss of livelihoods and services, social and economic disruption, or environmental damage.



Global Average Natural Disasters per year



84%

Hydrometeorological
Disasters



16%

Geophysical
Disasters

Global Average Deaths per
year because of disasters

76416







What

to do

to be Safe

?

1st

Watch TV or listen
to the radio for news





2nd

As much as possible
don't go outside your
house

3rd

Stock Canned Goods,
Water and Emergency kit
with Medicine



An illustration of a brown two-story house with a red door and several windows. In the foreground, a man and a woman are walking on a grassy hill. The man is wearing a yellow shirt and black pants, and the woman is wearing a pink shirt and black pants. They are walking towards the right. In the background, there are green hills and a small grey house with a chimney. The sky is light blue with white clouds. The text '4th' is written in red, and the text 'Evacuate from low-lying areas to higher ground or evacuation center' is written in black. The website 'fppt.com' is visible in the bottom left corner.

4th

Evacuate from low-lying
areas to higher ground or
evacuation center

5th

Do a family planing on
where to meet up if
separated after a disaster





LIGHTNING

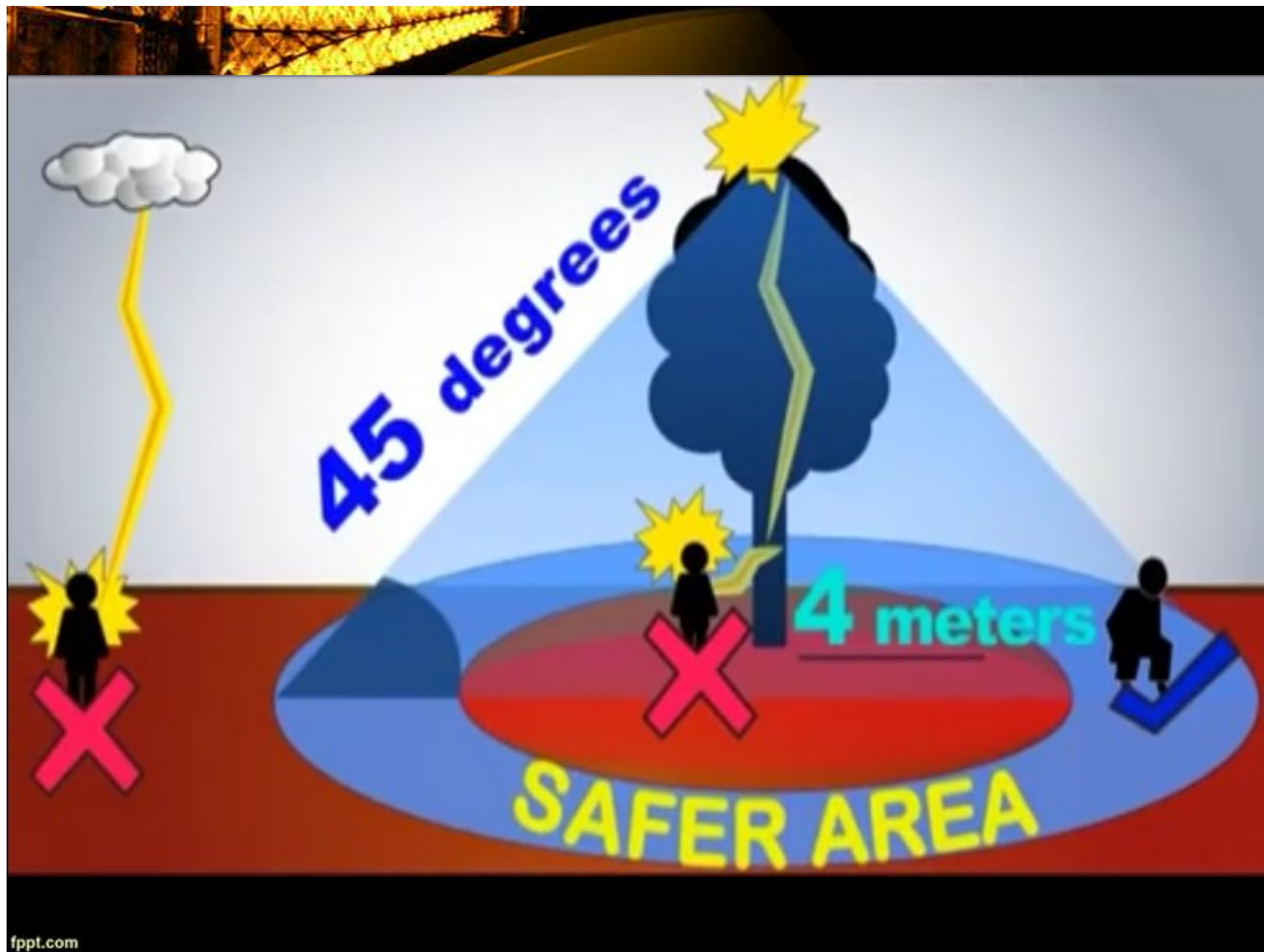
WHEN AN ELECTRICAL CHARGE
BUILDS UP INSIDE A CLOUD AND
MOVES TO AN OPPOSITELY
CHARGED OBJECT



THUNDER

WHEN THE HEAT FROM
LIGHTNING MAKES THE PARTICLES
THAT MAKE UP AIR PUSH AWAY
FROM A LIGHTNING BOLT








HYDROMETEOROLOGY

-A branches of meteorology that deals with water in the atmosphere especially as precipitation



-is a branch of meteorology and hydrology that studies the transfer of water and energy between the land surface and the lower atmosphere

TYPES OF HYDROMETEOROLOGY



Flood

**-a large amount of
water covering an area
of land that is usually
dry**





DROUGHT

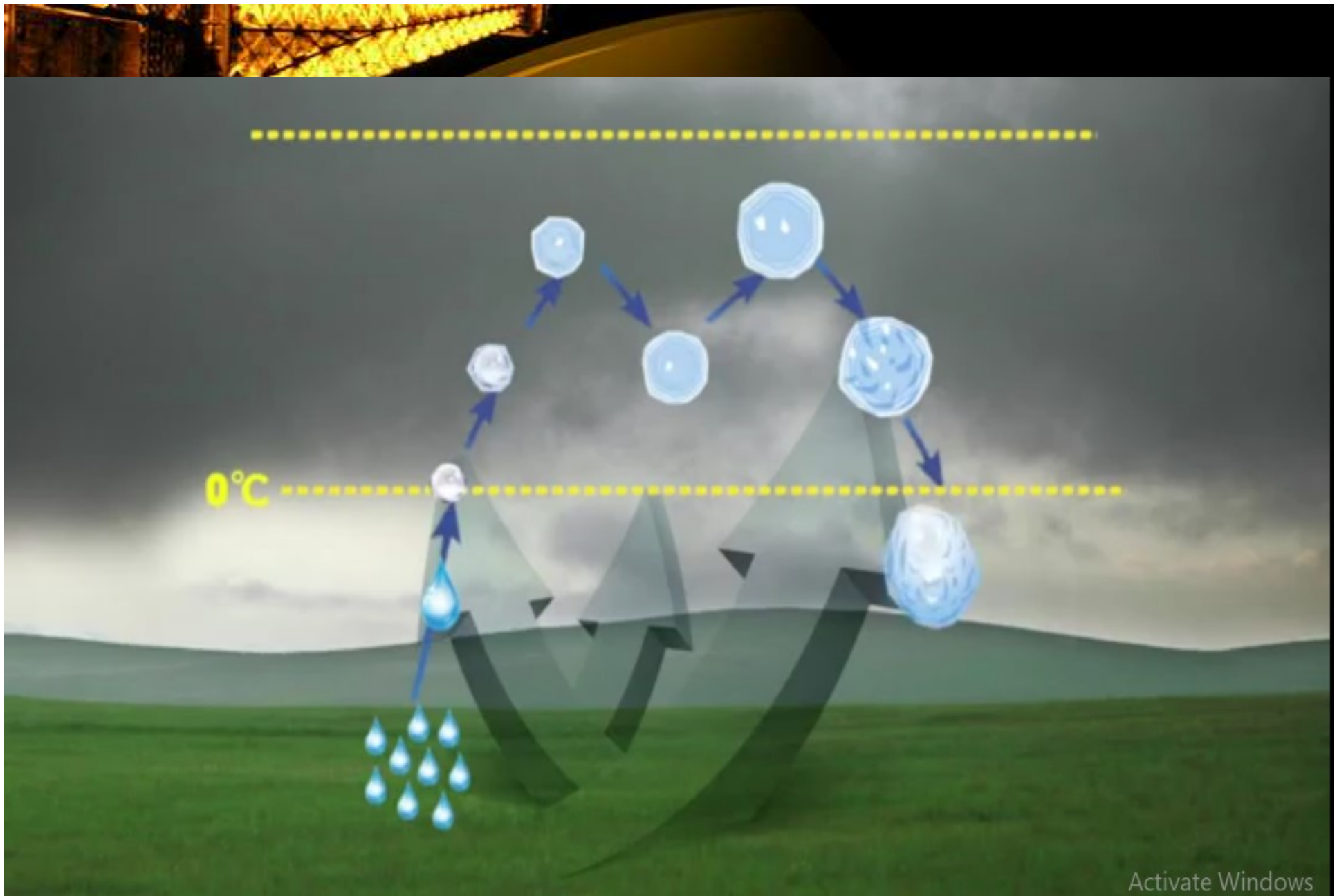
-a long period of time
during which there is
very little or no rain



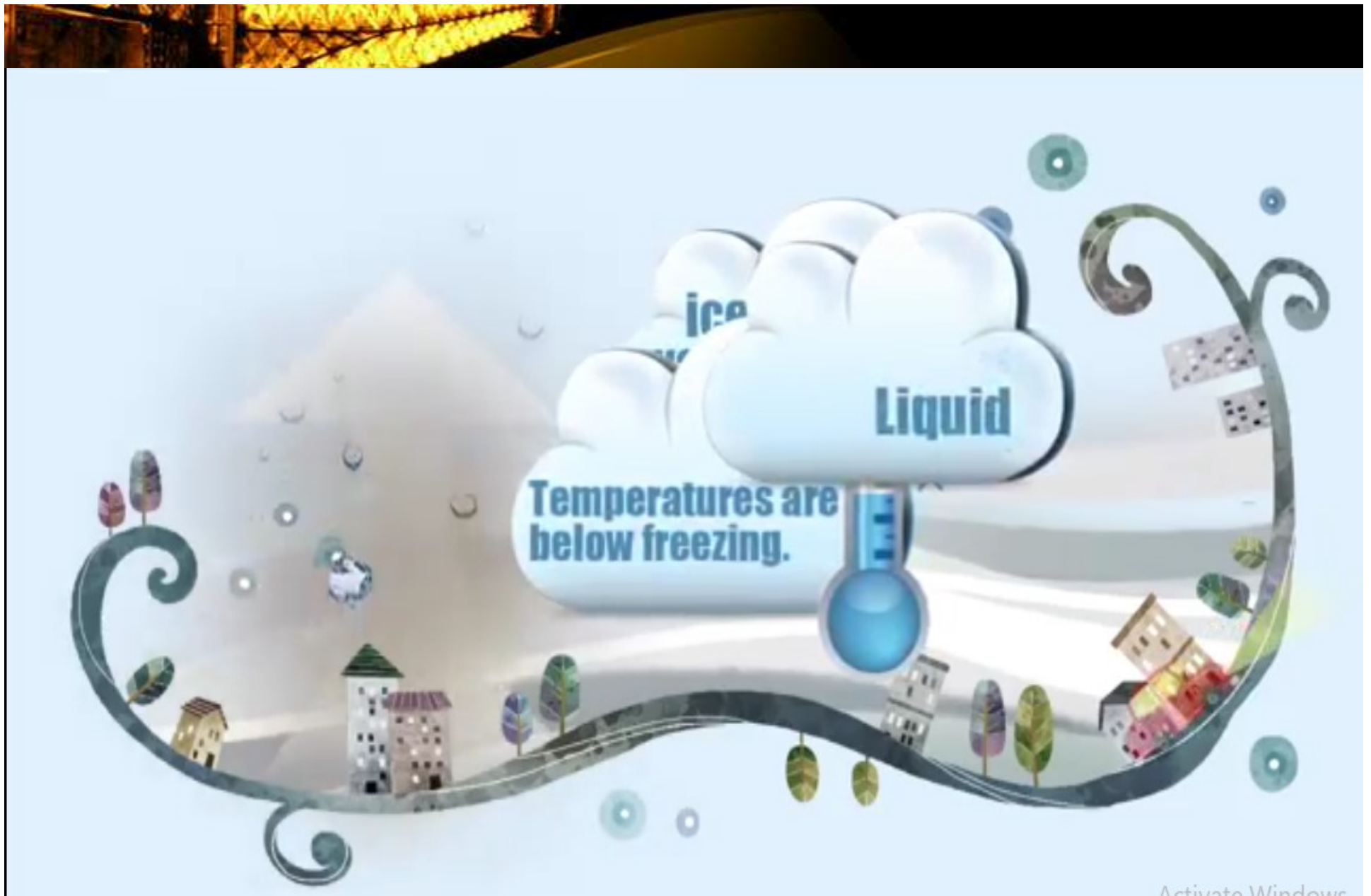
HAIL

- a precipitation in the form of small balls or lumps usually consisting of concentric layers of clear ice and compact snow






Activate Windows



Activate Windows



The diagram illustrates the falling speed of hail. At the top, a layer of white hailstones is shown falling from a dark grey cloud. Below the cloud, two vertical blue arrows point downwards, representing the falling path of hail. The first arrow is shorter and points to a small white circle labeled '2cm'. The second arrow is longer and points to a larger white circle labeled '5cm'. Below the '5cm' circle, the speed '120 km/h' is written in large red letters. The background is a gradient of grey, and the bottom is a brown ground line.

Falling Speed of Hail

The Bigger the size,
the higher the speed.

2cm


60 km/h

5cm

120 km/h

24 miles per hour





103 miles per hour

Thank
you !!!
...

