



Introduction (10 minutes)

Read the introduction and answer the following questions:

1. What is the definition of a weather disturbance?

2. Why is it important to understand weather disturbances?

Types of Weather Disturbances (15 minutes)

Read about the different types of weather disturbances and complete the following tasks:

1. Match the following types of weather disturbances with their descriptions:

Type	Description
Thunderstorm	
Hurricane	
Blizzard	
Tornado	

2. What are the main characteristics of each type of weather disturbance?

Causes and Effects of Weather Disturbances (20 minutes)

Read about the causes and effects of weather disturbances and complete the following tasks:

1. What are the main causes of weather disturbances?

2. What are the potential effects of weather disturbances on the environment and human populations?

3. How can weather disturbances impact different ecosystems?

Weather Forecasting and Warning Systems (15 minutes)

Read about weather forecasting and warning systems and complete the following tasks:

1. What is the importance of weather forecasting and warning systems?

2. How do meteorologists predict weather disturbances?

3. What are the different types of weather warnings and alerts?

Activity 1: Weather Disturbance Sorting Game (15 minutes)

Sort the following types of weather disturbances into categories:

- Thunderstorm
- Hurricane
- Blizzard
- Tornado
- Flood

Category	Type of Weather Disturbance

Activity 2: Case Study Analysis (20 minutes)

Read the following case study and answer the questions:

"A severe thunderstorm warning has been issued for your area. The storm is expected to bring heavy rainfall, strong winds, and lightning. What should you do to prepare?"

1. What type of weather disturbance is described in the case study?

2. What are the potential effects of the storm?

3. What steps should you take to prepare for the storm?

Conclusion (10 minutes)

Reflect on what you have learned and answer the following questions:

1. What is the most important thing you learned about weather disturbances?

2. How can you apply what you have learned to real-life situations?

3. What questions do you still have about weather disturbances?

Additional Resources

Explore the following resources to learn more about weather disturbances:

- National Weather Service (NWS) Website: www.weather.gov
- National Oceanic and Atmospheric Administration (NOAA) Website: www.noaa.gov

