

**EXTREME WEATHER**

1. What is the difference between a hurricane, a tropical storm, and a typhoon? Their location! Can you match the name to the region that uses it?

HURRICANE

CYCLONE

TYPHOON



2. Climate change is causing an increase in the frequency and intensity of extreme temperature events. Heat waves and cold snaps are dangerous natural hazards that claim lives.

Fill in the blanks:

24    MINIMUM    REGION    COLD    HOMELESS  
YOUNG CHILDREN    5    COLD    DEATH    MAXIMUM    HOT

- A heat wave is declared when the daily \_\_\_\_\_ temperature is greater than the average maximum temperature by 5°C (9°F) for \_\_\_\_\_ days or longer.
- Long periods of \_\_\_\_\_ weather can cause health problems such as heatstroke and even \_\_\_\_\_.
- A \_\_\_\_\_ snap – or \_\_\_\_\_ wave – is a sudden and rapid drop in temperature within a \_\_\_\_\_ hour period. The \_\_\_\_\_ temperature depends on the \_\_\_\_\_ and time of year.
- Those particularly at risk of excessive heat and cold are \_\_\_\_\_, older people, the chronically-ill, people working outside and the \_\_\_\_\_.

## EXTREME WEATHER

3. Circle any of the adverse climate-related events that have occurred in your country in recent years.

FLOODS  
CROP DAMAGE OR FAILURE  
WILDFIRES  
DAMAGE TO ANIMALS  
AND BIODIVERSITY

HEAT WAVES,  
LACK OF SUMMER RAIN  
DROUGHT  
WATER SHORTAGES  
SOIL EROSION

WINTER STORMS  
RISING SEA LEVELS  
HABITAT LOSS  
INCREASE IN PESTS  
AND ALIEN SPECIES

As a class, discuss the following questions:

- Were you and your family affected? What was your experience?
- Were there any negative effects felt beyond your country's borders?
- Did your government step in to help? If you live in the EU, did European emergency response teams take action?

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## EXTREME WEATHER

4. Extreme weather events pose a danger to people all over the world. Can you think of any examples you have seen in the news recently? Fill in the below table:

| EXTREME WEATHER EVENT                               | TYPES OF DAMAGE CAUSED  | EXAMPLES   |
|---|---|--|
| Tropical storms<br>(hurricanes, cyclones, typhoons) | Loss of life<br>Damage to property<br>Beach and dune erosion<br>Deadly rip currents<br>Destruction of bridges and<br>waterways<br>(Flash) flooding<br>Inland salt water intrusion | Hurricane Katrina (2005)<br>Cyclone Phailin (2013)<br>Typhoon Yutu (2018)<br>Hurricane Dorian (2019) |
| Flooding  |   |  |
| Drought   |   |  |
| Extreme temperatures                                |   |  |
|   |   |  |
|   |   |  |