

# Engaging with Data Visualizations

Air Temperatures

## Engaging with Data Visualizations - Air Temperatures from Different Locations Activity

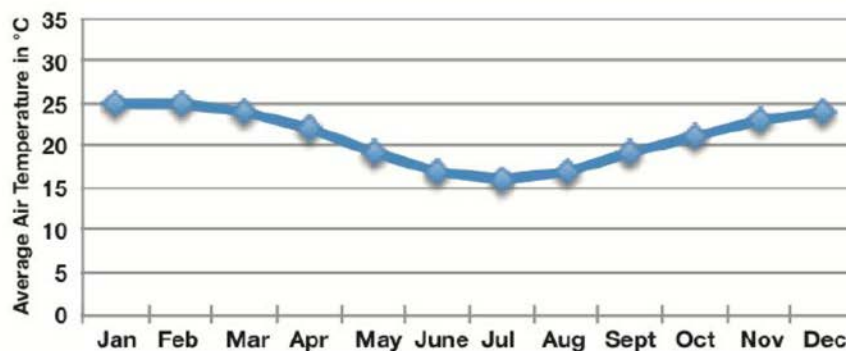
### Procedure

1. Interpret the air temperature data plots to determine where they are from in the world.
2. Answer the questions on each handout.

### Data Graph

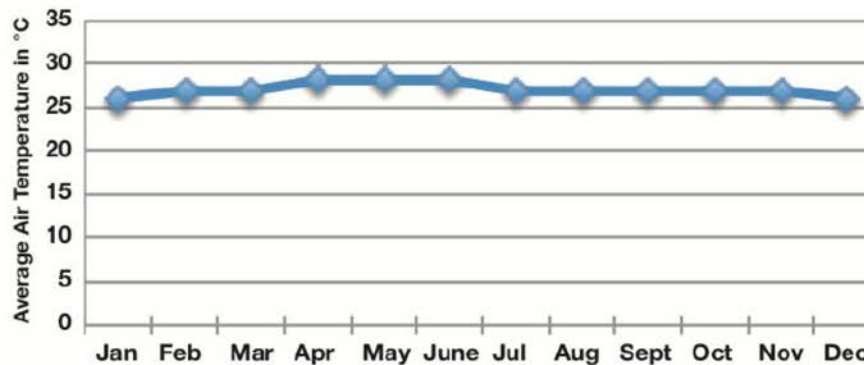
Air Temperature (°C) Over Time for Location Y

Location Y is \_\_\_\_\_



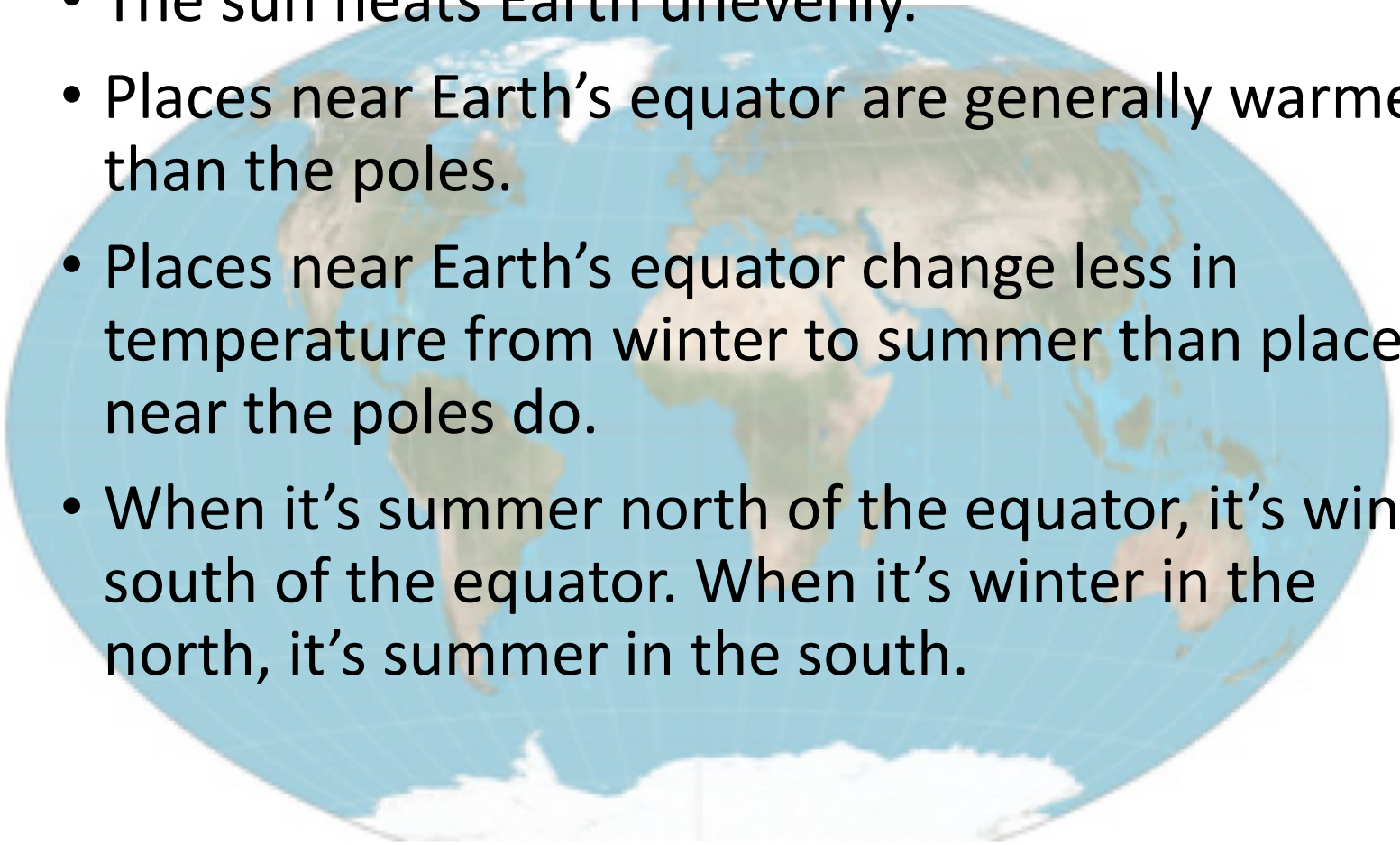
Air Temperature (°C) Over Time for Location Z

Location Z is \_\_\_\_\_



# Earth is Heated Unevenly

- The sun heats Earth unevenly.
- Places near Earth's equator are generally warmer than the poles.
- Places near Earth's equator change less in temperature from winter to summer than places near the poles do.
- When it's summer north of the equator, it's winter south of the equator. When it's winter in the north, it's summer in the south.



# Where were the air temperatures collected?

- In your small group, read the procedure and review graphs
- Complete each handout before moving onto the next, work on them in this order:
  - Handout A: Orientation
  - Handout B: Interpretation
  - Handout C: Synthesis
- Be ready to share your conclusions with the whole class.

# Quick Write

- What skills did you need to be successful with during each step (orientation, interpretation, synthesis) of the activity?
- Which questions were the easiest/most difficult to answer? Why?
- What kinds of things helped you to solve the mystery?