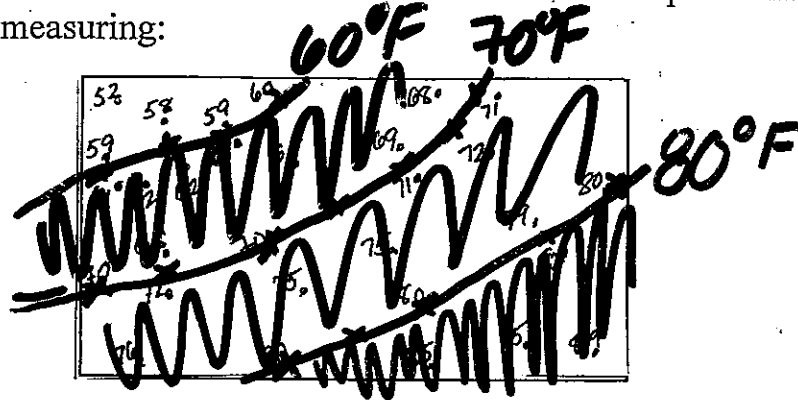


IV. Drawing Maps of the Earth

Humans can map just about anything.
 Lab → * A field is a region of space in which a similar quantity can be measured at every point or location.

- The values (numbers) can change with time.
- Types of fields: elevation, temp., pressure
- Once we measure an area we can make a map of what we were measuring:



- We then connect the points that have equal values so that the map is more meaningful to us.

• isolines connect points of equal value.

isotherms connect points of equal temperature.

isobars connect points of equal pressure.

Contour line connect points of equal elevation.

elevation is the distance above or below sea level.

(11)

Which statement is true about an isoline on an air temperature field map?

- (1) It represents an interface between high and low barometric pressures.
- (2) It indicates the direction of maximum insolation.
- (3) It increases in magnitude as it bends southward.
- (4) It connects points of equal air temperature.