



## Geographers' Needs

When studying the earth we need to be able to do three things:

- 1. Collect data (tools)
- 2. Locate data (grid)
- 3. Portray data spatially (maps that are made using cartographic techniques)

#### The Map

#### The map is our special tool because it:

- 1. Gives a wealth of **information** at a glance
- 2. Shows **relationships** between locations and places.
- 3. Can be used to **influence** people by its visual components.

















### **Cartographic Variables**

- 1. <u>Scale</u>: The ability to show detail.
- 2. <u>Technology and Skill</u>: The ability to present detail.
- 3. Data: How accurate and reliable is it?
- 4. <u>Purpose</u>: What is the theme, goal or end-result of drawing this map?

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5. <u>Psychology</u>: Use of leading colors, patterns, symbols and categories.

> Are they **eye-catching** or

#### **Cartographic Generalization**

- \* Simplification omitting details
- Classification grouping
- Symbolization use of shapes, colors, patterns to represent information
- Induction portrayal of generalized information between points of reliable and accurate information.

# **Cartographic Authorship**

• Compilation:

Who is putting the data together?

- Publishing:
  - Who is responsible for getting it out to the public?















