Terms to be familiar with:

- Geography
- Natural events system
- Social system
- Hazard
- Primary hazard
- Secondary hazard
- Risk
- Disaster
- Catastrophe
- Vulnerability
- Resilience
- Reliability
- Adjustments
- Mitigation
- Natural hazard
- Technological hazard
- Environmental hazard
- Magnitude
- Frequency
- Duration
- Areal extent
- Speed of onset
- Spatial dispersion
- Temporal spacing
- Pervasive
- Structural mitigation
- Non-structural mitigation
- Hazards in context
- Emergency management
- Cycle
- Rescue
- Relief
- Recovery
- Reconstruction
- Preparedness
- Perception
- Cognitive factors
- Situational factors
- Logical positivism
- Deductive reasoning
- Inductive reasoning
- Economically rational
- Normative
- Revealed preferences
- Expressed preferences
- Cognitive dissonance
- Information gatekeeper
- Dread

Subjects to think about for discussion:

- How hazards relates to geography
- Measurement of hazards
- Hazard classification schemes
- Range of individuals’ responses
- Emergency management cycle
- Creation of the hazards paradigm in geography
- Creation of quantitative risk assessment
- Increased attention paid to mitigation
- Compare and contrast different natural hazards
- Compare and contrast natural and technological hazards
- Relationship between perception and actions
- Examples of irrational hazards behavior
- Explanations of examples of irrational behavior
- Controls on response to warnings
- Philosophical approaches to perception studies
- Assumptions of rational models
- Conclusions of individual behavior research
- Slovic’s psychometric paradigm
### Specific information regarding hazards:

For the following list of hazards, have a general feel for the following characteristics:

<table>
<thead>
<tr>
<th>Hazard</th>
<th>Characteristics</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flood</td>
<td>Definition</td>
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<tr>
<td>Tornado</td>
<td>Magnitude</td>
</tr>
<tr>
<td>Hurricane</td>
<td>Duration</td>
</tr>
<tr>
<td>Earthquakes</td>
<td>Spatial extent</td>
</tr>
<tr>
<td>Thunderstorm</td>
<td>Frequency</td>
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<tr>
<td>Volcanoes</td>
<td>Seasonality</td>
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<tr>
<td>Tsunamis</td>
<td>Diurnal factors</td>
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<tr>
<td>Drought</td>
<td>Spatial distribution</td>
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<tr>
<td>Wildfire</td>
<td>Countdown interval</td>
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<tr>
<td>Extreme Heat/Cold</td>
<td>Other special characteristics</td>
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<tr>
<td>Mass Wasting</td>
<td></td>
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<tr>
<td>Winter Storms</td>
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<tr>
<td>Toxic chemical releases</td>
<td></td>
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<tr>
<td>Indoor Air Pollution/Radon</td>
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<tr>
<td>Hazardous waste</td>
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<tr>
<td>Nuclear waste</td>
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<td>Ozone depletion</td>
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<tr>
<td>Terrorism</td>
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<tr>
<td>Acid precipitation</td>
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<td>Solid waste</td>
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</tbody>
</table>