

Biological and Social Hazards

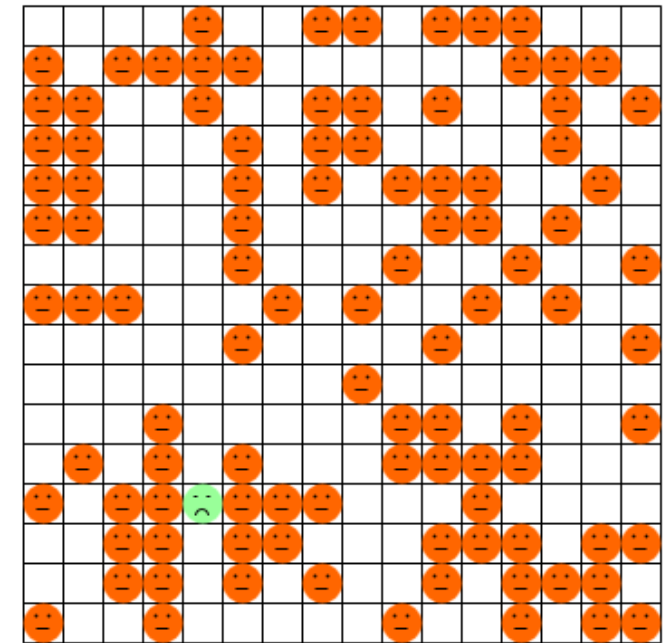
Guided Practice

Spread of Disease simulator:

<http://shodor.org/interactivate/activities/SpreadofDisease/>

Terms:

- Susceptible Person – A person at risk of becoming infected.
- Sick Person – A person who is infected.
- Recovered Person – A person who has recovered from being sick and is now immune.
- Sick Rate – the probability the person will become sick when in contact with a sick person.
- Recovery Rate – the probability that a person will recover from a disease.
- Susceptibility Rate – the probability that a person will become susceptible again.



SPREAD OF DISEASE KEY

- - Represents a Susceptible person
- - Represents a Sick person
- - Represents a Recovered person

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Independent Practice

1. What is the relationship between environmental health and our own health?
2. Describe three ways a pathogen can spread through the environment.
3. Why is it important to have an international organization such as the World Health Organization coordinating responses to diseases?
4. Do you think modern medicine will ever eliminate biological hazards from the Earth? Why or why not?

