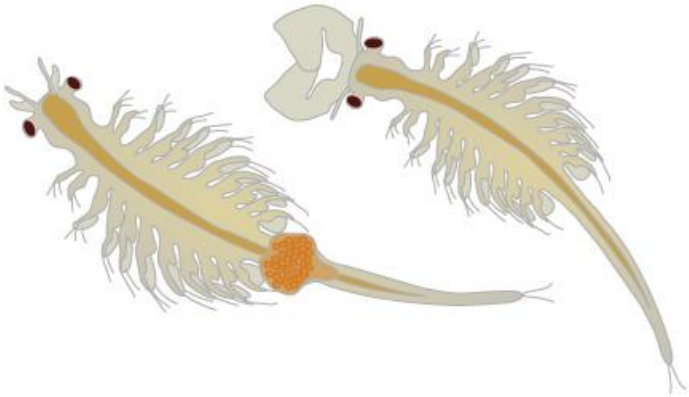
Science News

from

Mrs. Feller



Vocabulary

- brine
- brine shrimp
- concentration
- controlled experiment
- inherited trait
- migrate
- optimum
- range of tolerance
- reproduce
- salinity
- salt lake
- survive, survival
- tolerance
- variation
- viable

Review:

- adaptation
- ecosystem
- phytoplankton
- population

Key Concepts for Unit 3:

1. **Brine shrimp** are organisms that are adapted for **survival** in deserts where **salt lakes** are usually found.
2. The eggs can dry out completely and stay **viable** for more than a year.
3. A **brine**, or salt, pond or lake is a special environment. Only a few organisms have a **tolerance** for so much salt.
4. If the salt **concentration** in the water is too low or too high, the eggs will not hatch.
5. Organisms have a **range of tolerance** for environmental factors, such as **salinity**.
6. Within a range of tolerance, there are the best, or **optimum,** conditions that help the organisms to thrive and reproduce at the maximum rate.
7. Brine shrimp eggs hatch in a range of salt concentrations, but more will hatch in an environment with **optimum** salt **concentration**.
8. When environments change, some organisms **survive**, some move away to new locations, and some die.
9. Organisms of the same kind differ in characteristics. This is called **variation**.
10. Sometimes the differences give organisms an advantage in survival and reproduction.

Homework will be coming home on Wednesday, due Thursday.