

## **Information Sheet No. 16**

### **Aquarium Supplies**

- ✿ Aquarium (depending on your experiment, a 10 gallon aquarium (which can hold up to 10 conch) can be used for one replicate or divided in half or thirds if the space is limited).
- ✿ Under-gravel filter system with sand (1-3 mm diameter) or side-hanging charcoal cartridge filter
- ✿ Air pump, air stone(s), and airline tubing
- ✿ Water quality kit (temperature, salinity, pH, ammonia, and dissolved oxygen if available)
- ✿ Calipers
- ✿ Scale (if weighing the animals or food)
- ✿ Calculator
- ✿ Food (algae tablets from a pet store, or juvenile conch food from Harbor Branch – see below)
- ✿ Conch (see below)
- ✿ Salt water (Instant Ocean will work)
- ✿ Calcium additive (available as “Reef Calcium” at Aquatic Ecosystems – [www.aquaticesco.com](http://www.aquaticesco.com), or possibly at your local pet store.
- ✿ Window screen (fiberglass NOT aluminum) or light diffuser sheets to make barriers if dividing your aquarium into sections

### **Purchasing Conch and Conch Food**

You will need to determine the stocking density in the system: Other than the density experiment, we recommend a stocking density of 75 conch per sq. meter (8 conch per square foot). For one ten gallon aquarium (20" x 10.5" x 12") you would need 10 conch. The current price for conch and food is as follows:

**CONCH-** Varies, but will be around \$1.50 per conch (as purchased from Oceans, Reefs and Aquariums) - please contact Amber Shawl for exact pricing.

**FOOD** -1 lb juvenile food = \$5.00 (tax exempt for schools). *This food can be kept in a freezer and one bag (3-4 pounds) will easily last an entire semester.*

Please contact Amber Shawl for initial purchasing requests:

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