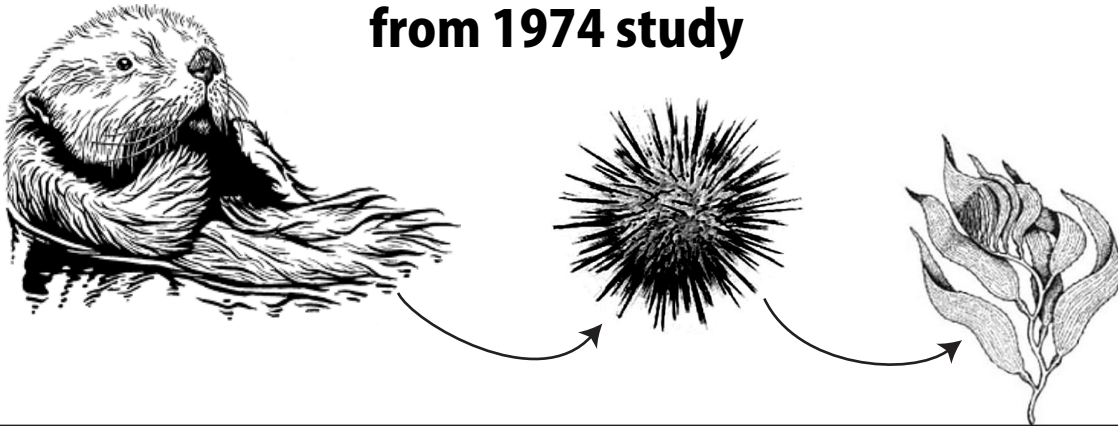


..... **FOOD CHAIN DIAGRAMS** .....

**Conclusions of James Estes and John Palmisano  
from 1974 study**



Many Sea Otters



Few Sea Urchins



Many Large Kelp Beds

Few or No Sea Otters



Many Sea Urchins



Few, Small Kelp Beds

**Amchitka  
1974**

**Shemya  
1974**

↕ Carnivores ↕  
↕ Herbivores ↕  
↕ Producers ↕