



Map of major wind systems

3. Discuss your answers with your class.
 - a) What patterns do you see between surface currents and wind direction?
 - b) What new questions do you have?
 - c) Form a hypothesis to explain the relationship between wind direction and surface currents. Give reasons based on evidence.

Part B: Deep Ocean Currents

1. Surface currents are not the only kind of ocean current. Before beginning the next part of the investigation, answer the following questions:
 - a) Will “salty” water float or sink? Make a prediction of what you think will happen and explain your prediction. (You are forming a hypothesis.)
 - b) Will warm water float or sink? Explain your answer.



Inquiry

Hypotheses and Theories

Scientists look for patterns and relationships. From their observations, they can predict whether the patterns will hold true in different situations. If the same patterns and relationships appear repeatedly, a hypothesis may reach the status of theory. A theory is a hypothesis that has never been disproven.