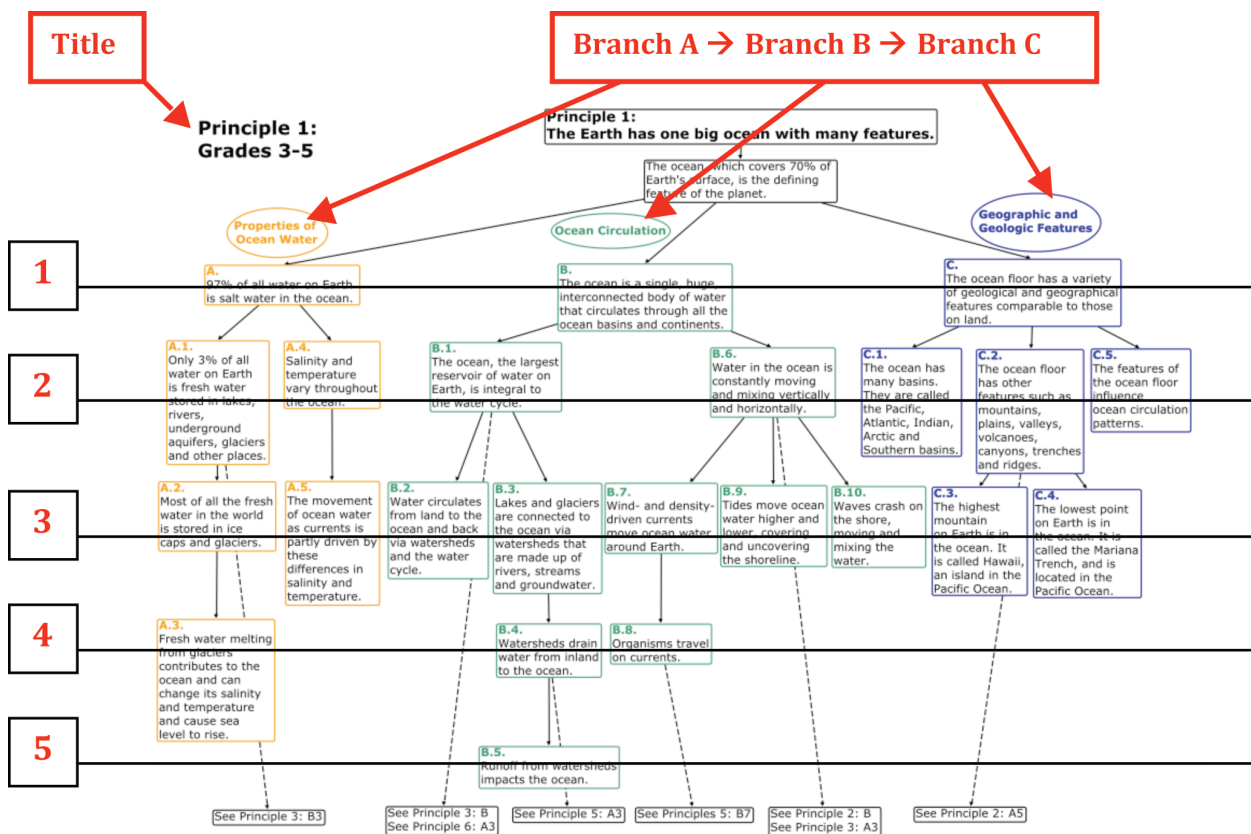


INTRODUCTION TO CONCEPTUAL FLOW DIAGRAMS: OCEAN LITERACY SCOPE AND SEQUENCE

The Ocean Literacy Scope and Sequence is comprised of 28 conceptual flow diagrams (hereafter referred to as flows). There is one flow for each principle for each grade band (K-2, 3-5, 6-8, and 9-12). Each flow represents one possible way of breaking down and organizing the major concepts and supporting ideas for each principle for a grade band. They can be used as a suggested instructional sequence, organizer of ideas, and/or indicator of learning progression. The following two figures (see below and page 32) label the major components of each flow, using the flow for Principle 1 Grades 3-5 as an example.



Dashed lines lead to cross-references to concept statements in other principles

Figure 1. In this flow, there are three branches of topics and five levels of ideas. Read the flow from top to bottom and left to right, from Branch A (A1-A5) to Branch B (B1-B10) to Branch C (C1-C5). Some of the concepts cross-reference other concepts in other principles within that same grade band. These cross-references are connections between principles.

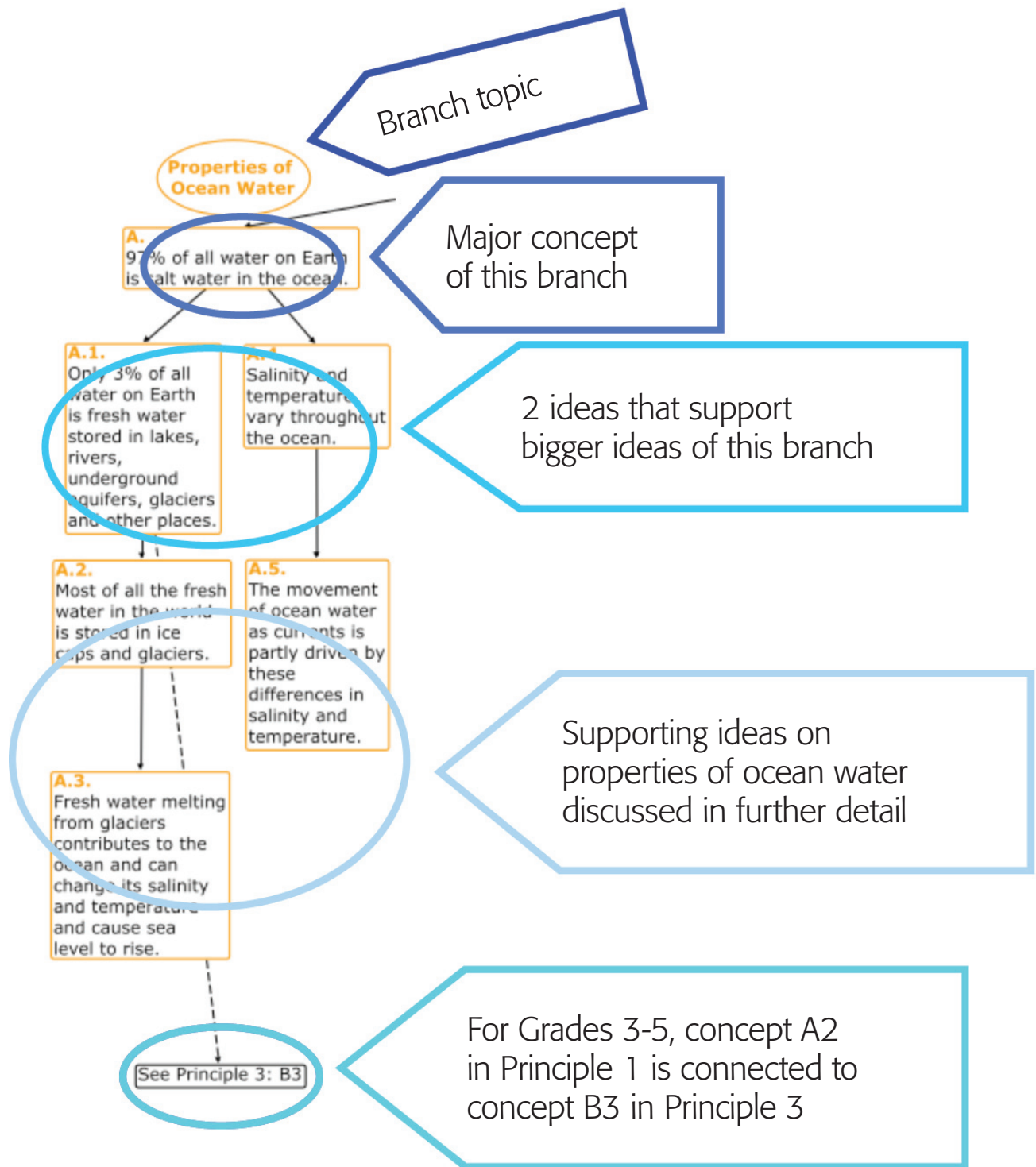


Figure 2. Branch A of conceptual flow diagram of Principle 1 for Grades 3-5. Here is a breakdown of the components in a branch. The branch is identified by topic for easy reference. The branch begins with a major concept and then nested below are two levels of ideas that support the bigger idea. Supporting ideas can be examples, but not always.