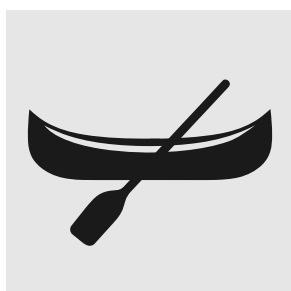
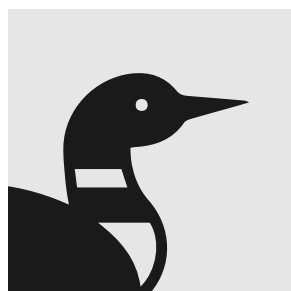
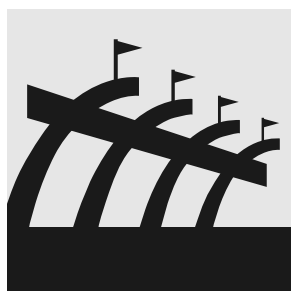
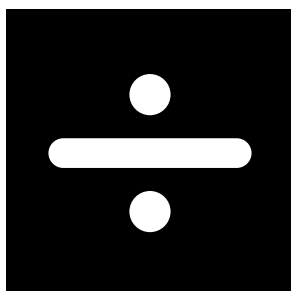
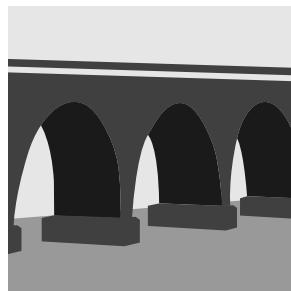
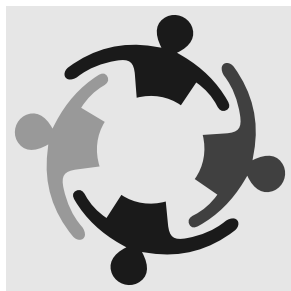


MCA-IV

Minnesota Comprehensive Assessments-Series IV



Science Phenomena Book

All Grades
MCA Paper Student Readiness Tool

Symbols on the Test

You will see the following symbols in your test book:

Go on to the next page ►

This symbol means you can continue answering questions on the next page.



This symbol means you have finished a section of the test. You must wait until you are told to go to the next section.

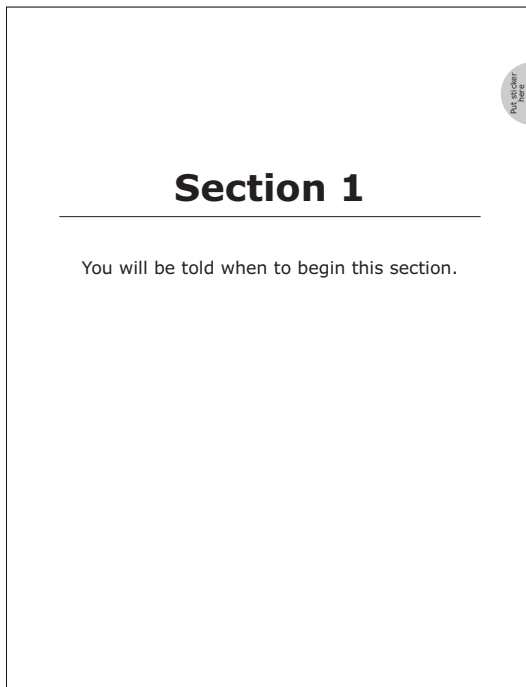


This symbol indicates where to place the sticker given to you by the Test Monitor to seal a finished section.

Go on to the next page ►

Science Phenomena Book General Information

- Your science test will consist of two books: Phenomena Book and Test Book. The phenomena book includes information to help you answer questions in the test book.
- Your phenomena book contains different sections. Section pages look like this:



- You can write notes in your phenomena book or on scratch paper, but you must answer each question in the test book.

Go on to the next page ►

Go on to the next page.

Sample Phenomenon: Pond Ecosystem

Use the information in this sample phenomenon to review sample questions in the SRT test book.

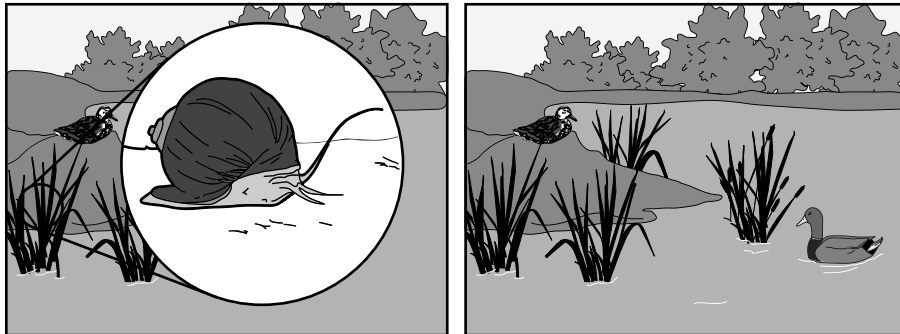
Pond Ecosystem – Tab A

Review the sample phenomenon presented in Tab A and Tab B. Then review the corresponding sample questions in the SRT test book.

Sample Phenomenon

Tab A

A teacher brings her students to observe a small pond. They notice many kinds of animals, including fish, snails, mussels, leeches, and ducks.



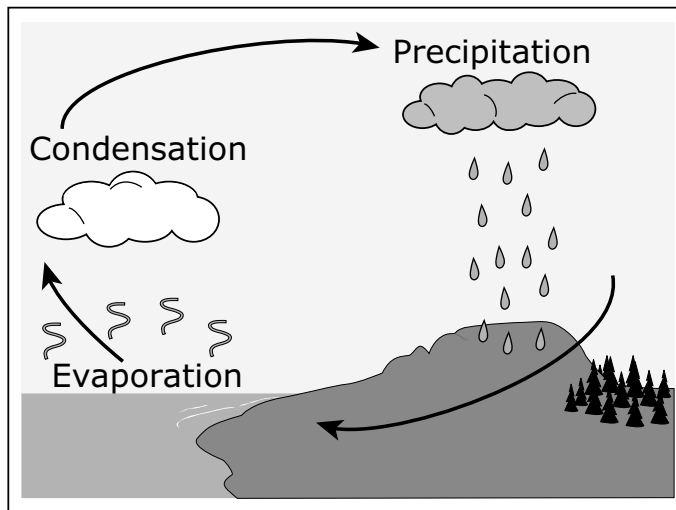
Go on to the next page ►

Sample Phenomenon

Tab B

A student saw clouds form over a lake near the pond. Later it rained on the land. The student made this picture of the water cycle.

Water Cycle





Go on to the next page.

Practice Phenomenon: Pet Species

Use the information in this phenomenon to practice answering questions 1–4 in the SRT test book.

Go on to the next page ►

Pet Species — Tab A

Practice

Using the information in Tab A, practice answering questions 1 and 2 in the SRT test book.

Many people have pets. The most common pet species include dogs, fish, and cats. There is a wide variety of breeds within each species. The chart below lists different breeds by pet species.

Pets

Dogs	Fish	Cats
Spaniel	Koi	Sphynx
Dalmatian	Beta	Siamese
Pug	Goldfish	American Shorthair

Go on to the next page ►

Pet Species – Tab B

Practice

Using the information in Tab B, practice answering questions 3 and 4 in the SRT test book.

Students took a survey about the species of their pets. Below is a chart showing how many students own each species of pet.

Student Pets

Dogs	Fish	Cats
10	5	8

Put sticker
here

