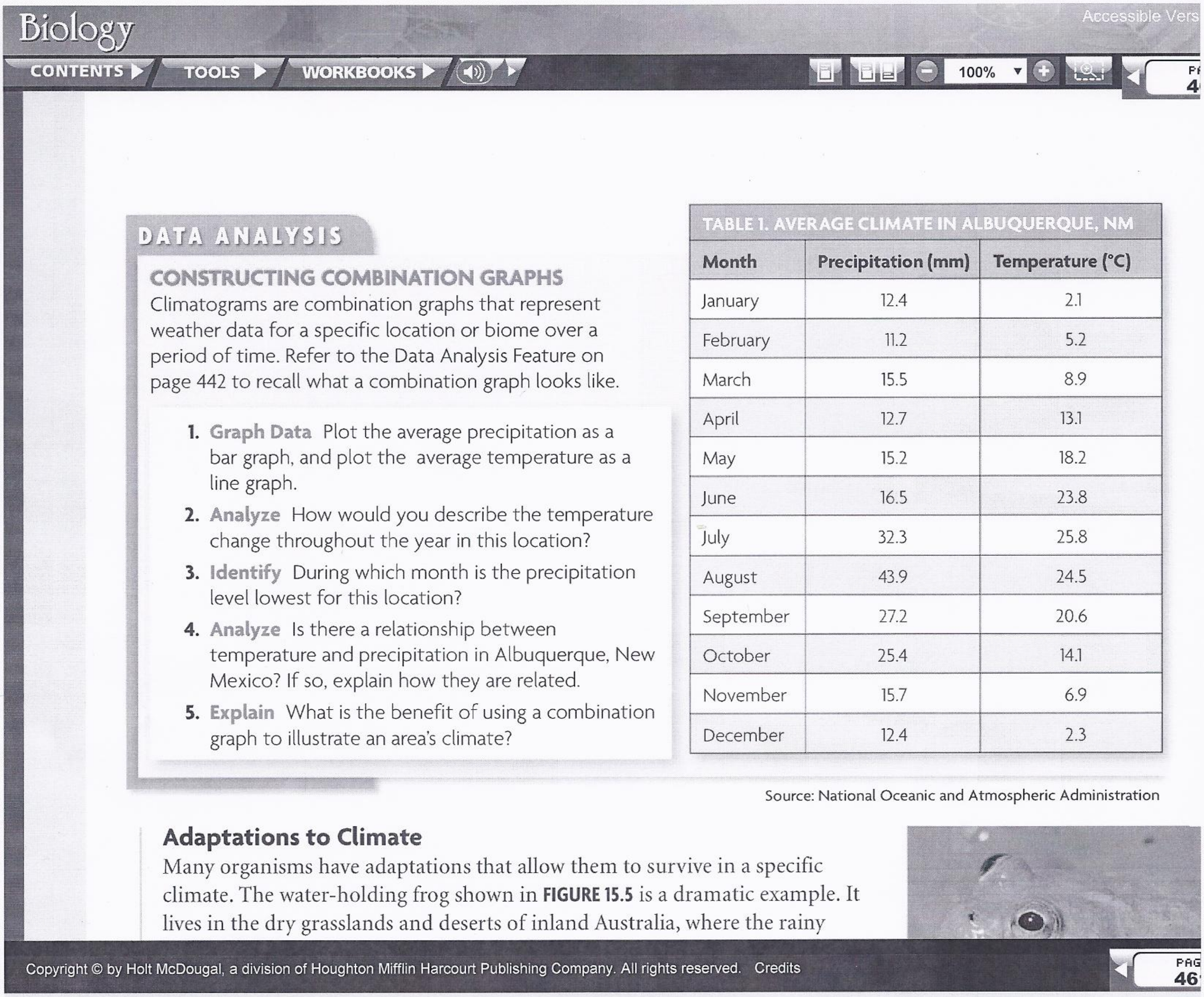

DATA ANALYSIS

CONSTRUCTING COMBINATION GRAPHS

Climatograms are combination graphs that represent weather data for a specific location or biome over a period of time. Refer to the Data Analysis Feature on page 442 to recall what a combination graph looks like.

1. **Graph Data** Plot the average precipitation as a bar graph, and plot the average temperature as a line graph.
2. **Analyze** How would you describe the temperature change throughout the year in this location?
3. **Identify** During which month is the precipitation level lowest for this location?
4. **Analyze** Is there a relationship between temperature and precipitation in Albuquerque, New Mexico? If so, explain how they are related.
5. **Explain** What is the benefit of using a combination graph to illustrate an area's climate?

TABLE 1. AVERAGE CLIMATE IN ALBUQUERQUE, NM

Month	Precipitation (mm)	Temperature (°C)
January	12.4	2.1
February	11.2	5.2
March	15.5	8.9
April	12.7	13.1
May	15.2	18.2
June	16.5	23.8
July	32.3	25.8
August	43.9	24.5
September	27.2	20.6
October	25.4	14.1
November	15.7	6.9
December	12.4	2.3

Source: National Oceanic and Atmospheric Administration

Adaptations to Climate

Many organisms have adaptations that allow them to survive in a specific climate. The water-holding frog shown in **FIGURE 15.5** is a dramatic example. It lives in the dry grasslands and deserts of inland Australia, where the rainy