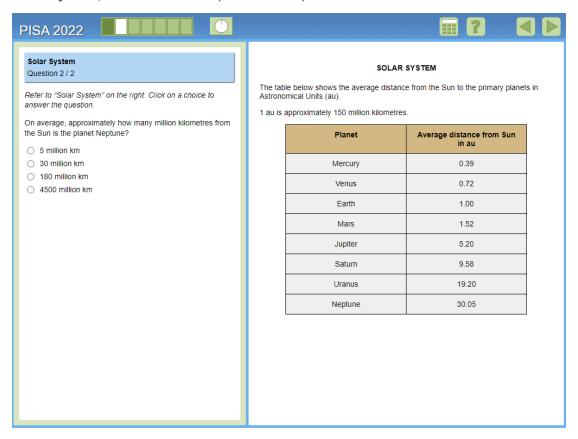
Solar system, released item #2 (CMA123Q02)



For the second item in this unit, students have to determine approximately how many million kilometres the planet Neptune is from the Sun, a process that requires converting Astronomical Units to millions of kilometres. From the stimulus, students are given the conversion that 1 au is approximately 150 million kilometres, and they can read from the table that Neptune has an average distance from the sun of 30.05 au. To determine Neptune's approximate distance in million kilometres, students need to multiply 30.05 times 150. This gives a result of 4,507.5, which rounds to 4500 (million km). This is a Level 2 (easier) item for students that only requires employing a process for converting units based on the given information.

Unit Name – Item #	Solar System – CMA123Q02
Content Area	Quantity
Process	Employ
Context	Scientific
Item Format	Simple Multiple Choice - Computer Scored
Answer	4500 million km
Proficiency Level	2