

EARTH SCIENCE

Lab Exercise (15 points)

Rivers

Section A – Largest Rivers in the World

1. Amazon River in South America (209,000 cubic meters per second)
2. Congo River in Africa (42,000 cubic meters per second)

There are 35.3 cubic feet in a cubic meter. Multiply each of the two values above by 35.3 to get cubic feet per second.

A1 (from above) x 35.3 = _____ cubic feet per second

A2 (from above) x 35.3 = _____ cubic feet per second

Use the numbers above as a reference point for your answers in sections B through F below.

Section B – Rivers in the United States (add the proper number of zeros)

B1. _____

discharge amount = _____ cubic feet per second

B2. _____

discharge amount = _____ cubic feet per second

B3. _____

discharge amount = _____ cubic feet per second

B4. _____

discharge amount = _____ cubic feet per second

B5. _____

discharge amount = _____ cubic feet per second

STOP. Go back to website to read instructions for B6 to B10 (add the proper number of zeros)

B6. _____

drainage area = _____ square miles

B7. _____

drainage area = _____ square miles

B8. _____

drainage area = _____ square miles

B9. _____

drainage area = _____ square miles

B10. _____

drainage area = _____ square miles

**STOP. Go back to website to read instructions for B11 to B15
(no extra zeros needed for B11 to B15)**

B11. _____

length = _____ miles x 1.6 = _____ km

B12. _____

length = _____ miles x 1.6 = _____ km

B13. _____

length = _____ miles x 1.6 = _____ km

B14. _____

length = _____ miles x 1.6 = _____ km

B15. _____

length = _____ miles x 1.6 = _____ km

Section C -- Mississippi River Facts

C1. _____ cubic feet per second

C2. _____ cubic feet per second

C3. _____ feet above sea level

Section D – Black River Data

D1. date: _____

D2. Location: _____

D3. _____ cubic feet per second

D4. _____ cubic feet per second -- year: _____

D5. _____ cubic feet per second -- year: _____

D6. _____ cubic feet per second

Section E – St. Clair River Data

E1. date: _____

E2. _____ cubic feet per second

E3. Amazon discharge = _____ cubic feet per second

E4. A1 divided by E2 = _____

The Amazon is this many times larger than the St. Clair River.

E5. _____ cubic feet per second

month/date/year: _____

E6. _____ cubic feet per second

month/date/year: _____

Section F – State of Missouri River Data

F1. date: _____

F2. _____

F3. _____

F4. _____ cubic feet per second