

ACF Fall 2014:

5. When this compound is analyzed in mass spectrometry, prominent peaks appear at the 45 and 31 mass-to-charge ratio regions. A solution consisting of 4.4% water and 95.6% of this substance boils at a lower

20. A city in this country was saved from troops scaling its walls by Catherine Cheynel's boiling souuing

Bonuses

1. Identify the following about unique roles some

5. This operator's namesake used it in the study of gravitational potentials

9. A nurse in this novel becomes the protagonist's "water brother" after giving him a drink. For 10 points each:

[10] Identify this science fiction novel, in which the Martian-raised human Valentine Michael Smith comes

15. Korea's refusal to acknowledge this emperor led to the Seikanron debate over invasion. For 10 points each:

[10] Name this Japanese emperor who faced the Satsuma rebellion and promoted modernization with the Charter Oath during his namesake restoration.

ANSWER: Emperor

18. The highest division of power within the country of Spain is the autonomous community. For 10 points each: