

The Periodic Table and the Universe

Summary

Students will apply the atomic number of elements on the periodic table to the origin of heavy elements in the star cycle.

Time Frame

1 class periods of 60 minutes each

Group Size

Individual

Materials

- [periodic table sheet](#)
(attached)
- [student worksheet](#)
(attached)

Instructional Procedures

Describe the importance of the atomic number found above each element on the periodic table. Differentiate between elements formed in the big bang (H, He, Li), those formed through nuclear fusion (Be-Fe) and those formed in supernova (the remainder).

Remind students of the structure of the atom and the importance of the number of protons.

If you have not already discussed star cycle and fusion, this will be necessary before students begin the worksheet.

Bibliography

Lesson Design by Jordan School District Teachers and Staff.

Authors

[Utah LessonPlans](#)