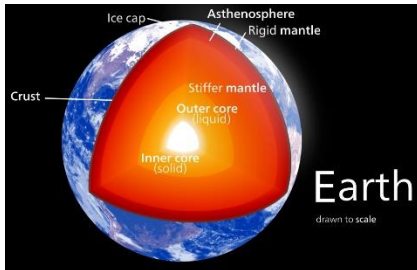




The Earth's crust versus the prep. room – why the differences?



Element	Symbol	Amount in prep. room		Amount in crust	
		(times found in inorganic chemicals)	%	(grams / tonne)	%
Oxygen	O	62	23.8	466000	46.8
Silicon	Si	0	0.0	277200	27.8
Aluminium	Al	7	2.7	81300	8.2
Iron	Fe	6	2.3	50000	5.0
Calcium	Ca	10	3.8	36300	3.6
Sodium	Na	15	5.7	28300	2.8



This JESEI activity aims to teach students about the elements in the Earth's crust. Many of the elements already familiar to students may not necessarily be at all common in the Earth's crust. Students should consider why this might be.

The resource includes teacher's notes, student's notes – and answers to the questions set.

The activity can be used to underpin topics on useful materials from the Earth and on the extraction of metals. Students study, compare and answer questions on graphs showing the elemental composition of the Earth's crust and of the aggregate composition of the compounds found in a typical school prep. room.

Activity details available at:

<https://geohubliverpool.org.uk/jesei/earths%20crust%202.htm>