

WORKSHEET #2—THE ALIENS

ANSWER SHEET

In the first part of this worksheet, students should use the alien computer to determine which facts are correct about each species. They should check the following items:

The Akona	The Sylcari
<input type="checkbox"/> x_ use carbon and nitrogen as food	<input type="checkbox"/> x_ live in an ocean
<input type="checkbox"/> x_ need water	<input type="checkbox"/> can't survive lightning
<input type="checkbox"/> x_ live in temperatures below 100 K	<input type="checkbox"/> allergic to hydrogen
<input type="checkbox"/> x_ reproduce by breaking off pieces of themselves	<input type="checkbox"/> homeworld has gravity about 1/2 of Earth's
<input type="checkbox"/> have tails	<input type="checkbox"/> x_ their building material, melk, uses calcium
<input type="checkbox"/> x_ can't survive earthquakes	<input type="checkbox"/> can't survive earthquakes
<input type="checkbox"/> x_ come from a world with gravity 1/8 of Earth	<input type="checkbox"/> x_ thin atmosphere protects its food

__x_ like to study the stars	
__x_ homeworld has a hard surface	

In the second part of this worksheet, students are supposed to list at least four characteristics the new home world for each of these species must have. They can use the lists above to generate these items, or some students may have found additional needs. When you go over the worksheet with the students, attempt to get them to identify all of the following:

The Akona need

1. No seismic activity
2. Temperatures below 100K
3. Water
4. Carbon and nitrogen
5. Little atmosphere
6. Hard surface
7. Low gravity (1/8 of Earth's)

The Sylcari need

1. An ocean
2. Calcium
3. Gravity 1/5 of Earth's
4. A thin atmosphere to protect food