**![C:\Users\Marjorie\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\HGU3QWJY\MC900383690[1].wmf]()A Waste of Space? – Teacher Guide**

This activity aims to support these CfE outcomes:

* **By using my knowledge of our solar system and the basic needs of living things, I can produce a reasoned argument on the likelihood of life existing elsewhere in the universe**
* **By researching developments used to observe or explore space, I can illustrate how our knowledge of the universe has evolved over time**
* **I have researched new developments in science and can explain how their current or future applications might impact on modern life**
* **Having selected scientific themes of topical interest, I can critically analyse the issues, and use relevant information to develop an informed argument**

Plan

This activity could be used at the end of a study of space when pupils have already carried out some research and taken part in some practical activities

1. Firstly the pupils sitting in groups meet the 4 characters Ira, Sarah, Bernard and Alvy. The can do this through the 4 power-point presentations. Ideally the pupils would have some time for discussion during these presentations - some of the power-points also have some interactive sections
2. Each group is then given the 4 help cards and/or other suitable resources as reference material
3. There are many ways in which the next part of the activity could take place dependent on the particular class and the time available. Two methods are suggested here:

Method A

1. Ask each group to choose one of the 4 people (Ira, Bernard, Sarah and Alvy) – it does not matter if groups pick the same person
2. Tell each group that one pupil in their group has got to pretend to be the person they chose
3. Give the nominated pupil the people card
4. Now each of the other pupils has to ask the nominated pupil a question and she/he has to answer it as if he/she was Ira, Bernard, Sarah or Alvy (questions are available which the teacher could give to the pupils if they feel this is more appropriate)
5. Each group must now write down the question and the answer

This can then be repeated for other pupils who pretend to be Ira, Bernard, Sarah or Alvy

Method B

For this method put pupils into groups of 4 (or 3 if that is not possible)

1. Ask each group to cooperate to nominate each pupil in the group to pretend to be Ira, Bernard, Sarah or Alvy
2. Give each pupil the appropriate people card
3. Each pupil will now be asked some questions which they have to answer pretending to be Ira, Bernard, Sarah or Alvy (questions provided)
4. Each group must now write down one question and one answer