



















Choose your instruments from the following list. Think carefully about the mass limit and physical size bearing in mind what you want to find out. Planning missions such as this is always a compromise between mass, size and cost. Every kilogram of payload increases the cost of the launch.

INSTRUMENT	WHAT IT FINDS OUT ABOUT
	You must take this otherwise nothing will work
	Takes pictures, finds out what the surface is made of
   	Takes pictures
	Measures temperature
	What is inside
	What it is made of
	What molecules there are
	What gases there are
	If there are any living things
	What the dust and rocks are like

INSTRUMENT	WHAT IT FINDS OUT ABOUT
	Whether there is water
	What particles there are
	Can changes in the Sun be seen on Pluto?
	Detects particles from the Sun
	How strong the magnetic forces are
	Measures gravity

Now write a letter saying which instruments you have chosen and what they will find out about Pluto. Use the letter template to help you.