



### How to fold

1. Cut along the side of the Astro-quacker.
2. Fold in half so that planet Neptune lies over planet Jupiter. Open out.
3. Fold in half again so that planet Uranus lies over planet Neptune. Open out.
4. Turn over so that all the planets are facing downwards.
5. Now fold each corner into the centre.
6. Turn over and repeat step 5.
7. Turn over so you can see the planets.
8. Slide your thumb and your forefinger behind 2 of the planets and press together so they bend round and touch.
9. Repeat step 8 with the thumb and forefinger of the other hand for the other two planets.
10. All the planets should now be at the front with centres touching. You are now ready to use your Astro-quacker!

Planet images drawn by  
Seth Rqvdt

Background image  
taken by  
Dr Bruno Letarte

[vk@sao.ac.za](mailto:vk@sao.ac.za)  
<http://www.sao.ac.za>

Created by:  
The South African  
Astronomical Observatory  
(SAAO)

Gaseous Planets:  
Jupiter, Saturn,  
Uranus and  
Neptune



#### How to Play

1. Get a friend to choose one of the 4 gaseous planets on the Astro-quacker.
2. Work your fingers back and forth, one for each letter.
3. Now ask your friend to choose a number. Open and close the Astro-quacker the number of times chosen.
4. Ask your friend to choose again - opening and closing the Astro-quacker that many times.
5. Now ask your friend to choose a number and read the question given.
6. The answers are all given on the inside flap.
7. Play over and over again!
8. Enjoy learning some astronomical facts!

For ages 7+