

Use this to make notes when you watch the videos on BrainPop about the four outer planets, Jupiter, Saturn, Uranus, and Neptune.

## The FRAME Routine

Key Topic  
Outer Planets

is about...

the four gas giant planets outside the asteroid belt.

	Main idea Jupiter	Main idea Saturn	Main idea Uranus	Main idea Neptune
	Essential details	Essential details	Essential details	Essential details
Distance from the sun	482.32 million miles	929.85 million miles	1.8409 billion miles	2.7818 billion miles
temperature	-234 *F	288 *F	49 K 224 *C	-353 *F
Atmospheric Conditions	Hydrogen and Helium	Hydrogen helium and methane	Hydrogen helium ammonia and methane	Hydrogen helium and methane
Gravitational Force / Size / Mass	24.79 m/s <sup>2</sup> , 43,441 mi, 1.898 x 10 <sup>27</sup> kg	10.44 m/s <sup>2</sup> , 36,184 miles, 5.683 x 10 <sup>26</sup> kg	8.87 m/s <sup>2</sup> , 15,759 mi, 8.681 x 10 <sup>25</sup> kg	11.15 m/s <sup>2</sup> , 15,299 miles 1.024 x 10 <sup>26</sup> kg

### So What? (What's important to understand about this?)

These are all the important facts for gas giants so you can tell which set of planets are the inner and the outer.