.MTL File Cheatsheet

.MTL FILE EXAMPLE

```
# MTL File Of The Gods
# Material Count: 4

# Start First Material
newmtl MirrorMaterial
Ns 900.000000
Ka 1.000000 1.000000 1.000000
Kd 0.800000 0.800000 0.800000
Ks 0.500000 0.500000 0.500000
Ke 0.000000 0.000000 0.000000
Ni 1.450000
d 1.000000
illum 3

# Texture Paths for MirrorMateria
map_Ka ambient_map.png
```

00000
re Paths for MirrorMaterial
ambient_map.png
diffuse_map.png
specular_map.png
optical_density_map.png
dissolve_map.png
<pre>displacement_map.png</pre>
deform_map.png
bump_map.png

Start Second Material
newmtl OrangeMaterial
Ns 517.562489
Ka 1.000000 1.000000 1.000000
Kd 0.800000 0.101572 0.005868
Ks 1.000000 1.000000 1.000000
Ke 0.000000 0.000000 0.000000
Ni 1.450000
d 1.000000
illum 2

No textures for OrangeMaterial

TAG VALUES		
#	Comment	
newmtl	Material Group Name	
Ns	Shininess Exponent	(X)
Ка	Ambient	(R G B)
Kd	Diffuse	(R G B)
Ks	Specular	(R G B)
Ke	Emission	(R G B)
Ni	Optical Density.	(X)
d	Dissolve	(X)
illum	Illumination Model	(X)

ILLUMINATION MODELS

0 ———— Color on and Ambient off
1 Color on and Ambient on
2 ——— Highlight on
3 Reflection on and Ray trace on
4 Transparency: Glass on
Reflection: Ray trace on
5 Reflection: Fresnel on and Ray trace on
6 Transparency: Refraction on
Reflection: Fresnel off and Ray trace on
7 — Transparency: Refraction on
Reflection: Fresnel on and Ray trace on
8 Reflection on and Ray trace off
9 Transparency: Glass on
Reflection: Ray trace off
10 ———— Casts shadows onto invisible surfaces