



## The Limits of Geometric Modeling

• Although graphics cards can render over 10 million polygons per second, that number is insufficient for many phenomena

- Clouds
- Grass
- Terrain

Angel: Interactive Computer Graphics 4E © Addison-Wesley 2005

- Skin









## **Texture Mapping**

8 8

- Maps a pattern (texture) onto a surface
- *Texels* fill each pixel
- Texels selected from sample pattern (texture map)
- Pattern is repeated

**Texture Maps** Utah School of Computing Angel: Interactive Computer Graphics 4E © Addison-Wesley 2005























































