### Medical Physics Education for Adults, the General Public



Perry Sprawls, Ph.D Emory University



**Sprawls Educational Foundation** 

Educational Interest and Needs
Organization and Venues
Topics and Content
Resources

### **Organization and Venues**









# Resources



The Sprawls Resources http://www.sprawls.org/resources

	Understanding	
the S	cience and Tech	nology
	in	
	Our Lives Today	

**Understanding** the Science and Technology in **Our Lives Today** 

Not

**Clinical Medicine** 

**Political Issues** 

Religion

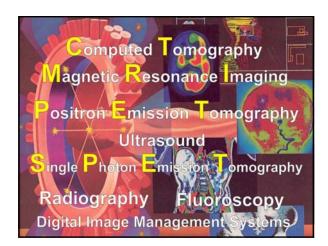
### Science

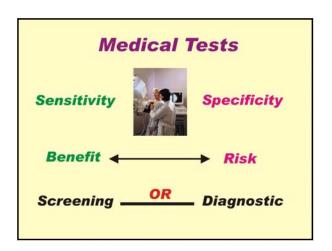
The knowledge of ourselves and the world in which we live. **Comes from** 

Observation, Experience. Discovery, and Research

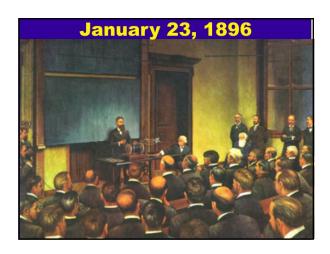
**Technology**Equipment, Instruments, and Gadgets **Comes from Invention and Development** 

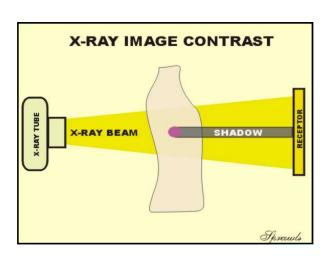






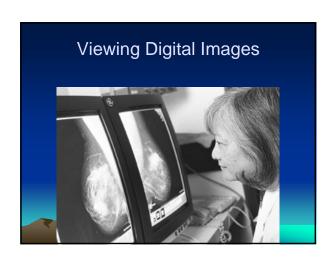


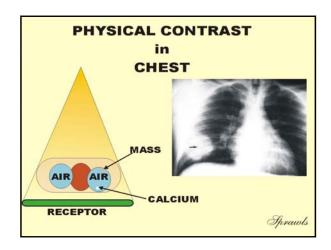




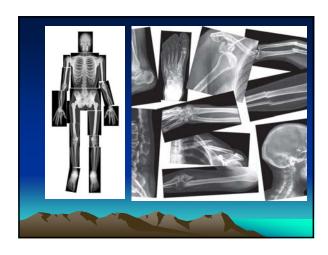




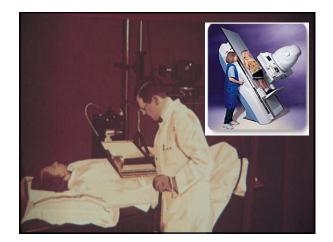




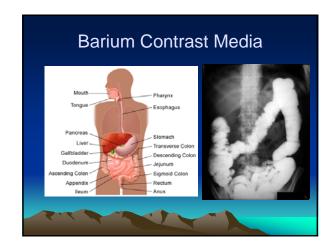


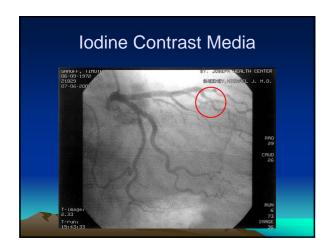


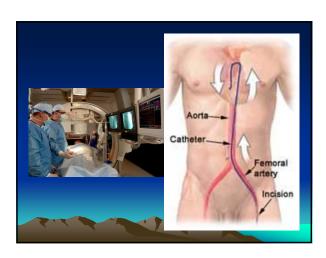


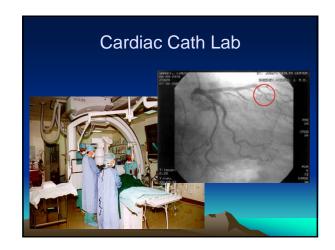




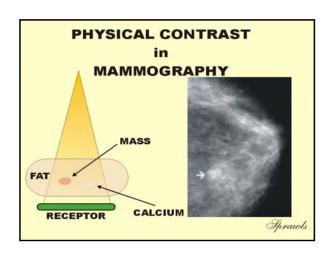


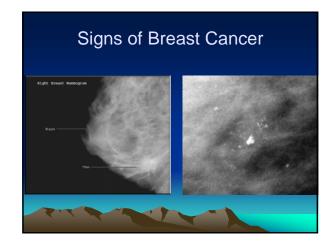




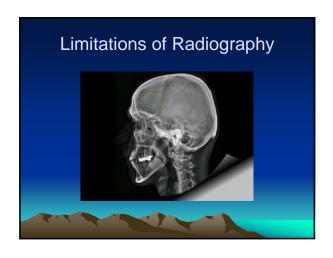




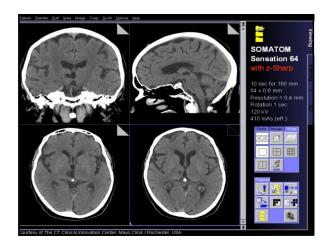


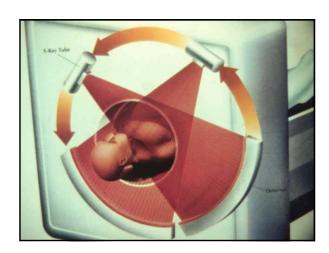




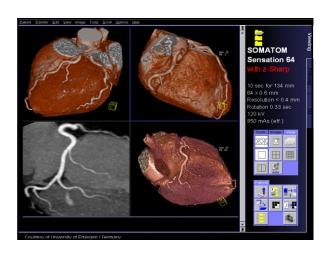






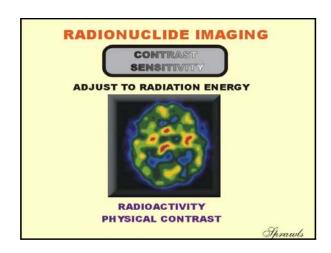






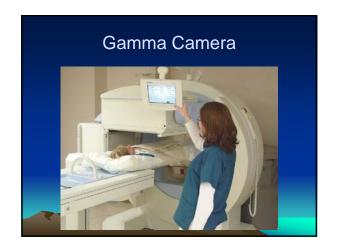


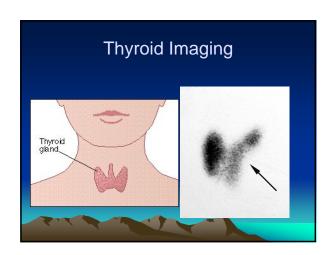


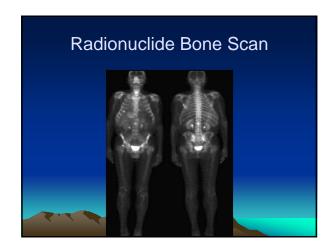




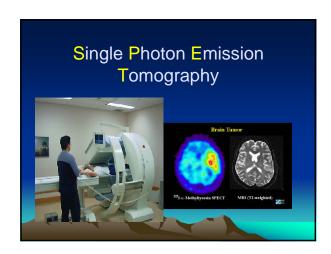


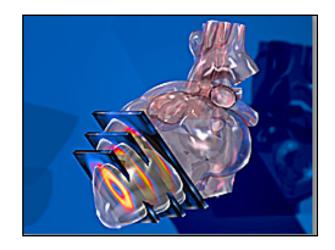


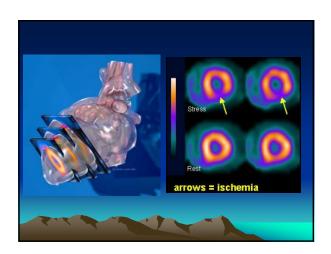


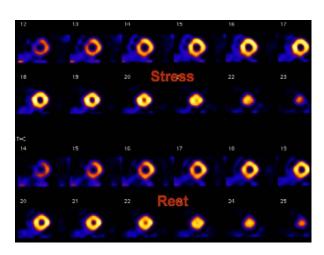




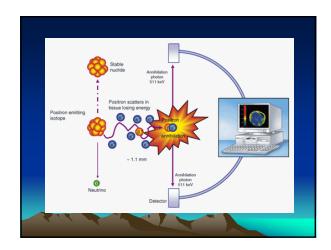


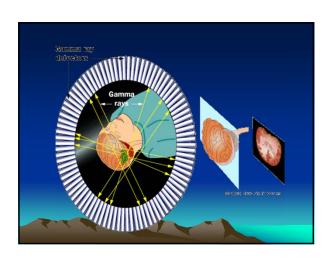


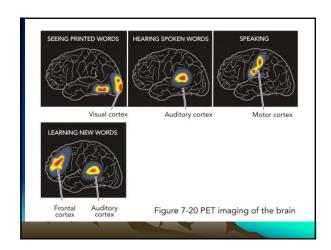


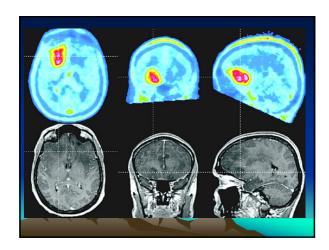


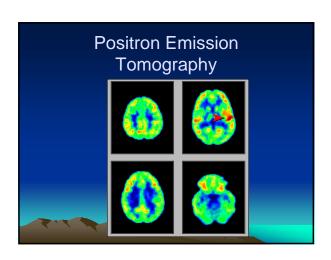








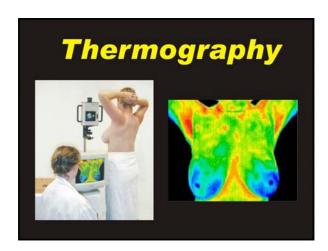




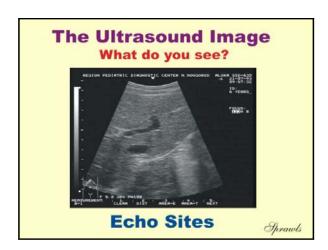
## MEDICAL IMAGING NON-IONIZING RADIATION METHODS

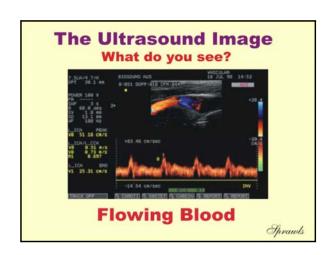
- Radiography and Mammography
- Fluoroscopy
- Computed Tomography (CT
- Radionuclide Scan
- Single-Photon Emission CT
- Positron-Emission Tomo. (PET)
- Ultrasound
- Magnetic Resonance Imaging (MRI)

# Medical Tests Sensitivity Specificity Benefit ← → Risk Screening OR Diagnostic







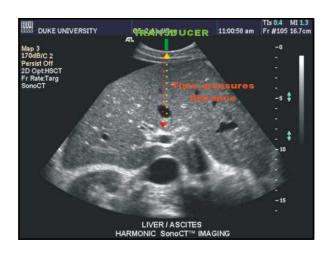


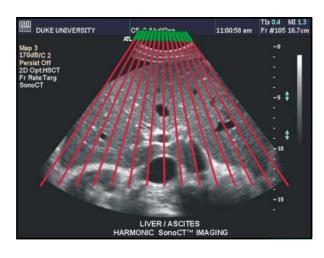


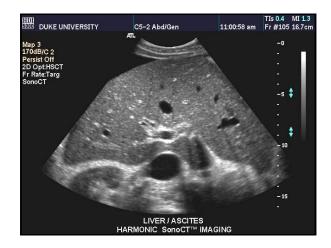








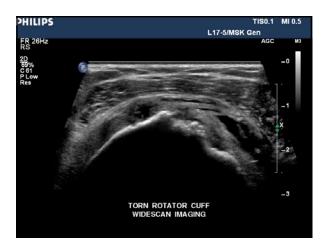






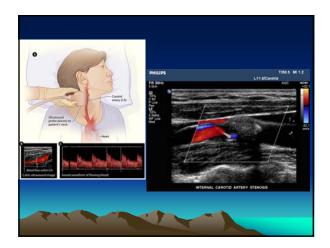


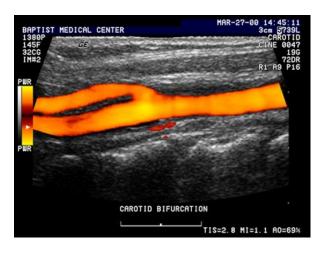


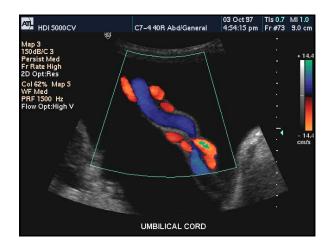


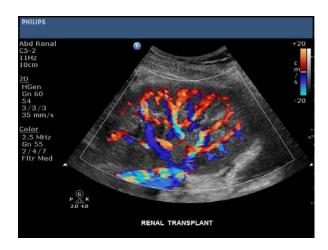


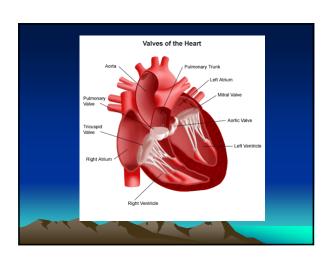


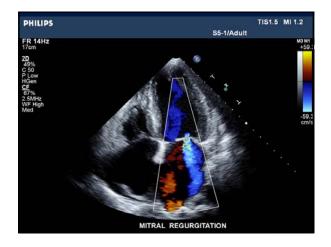






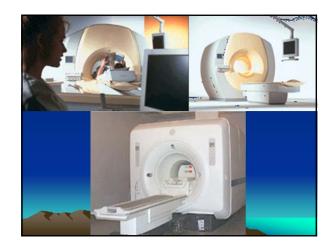


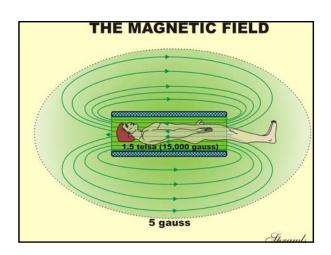


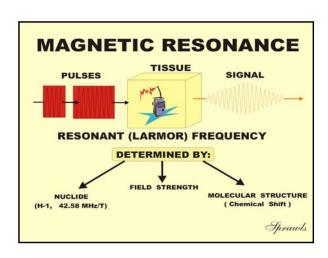


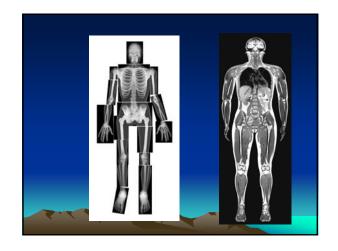


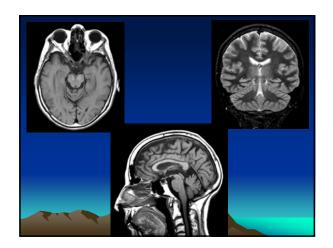


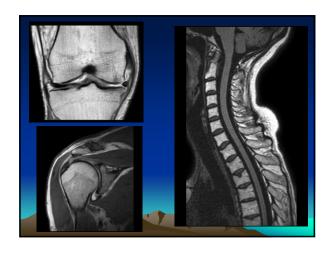


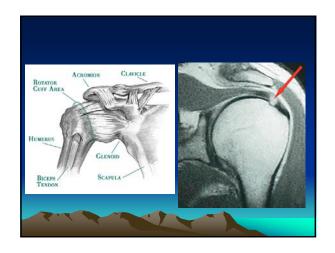












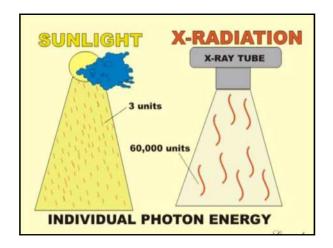


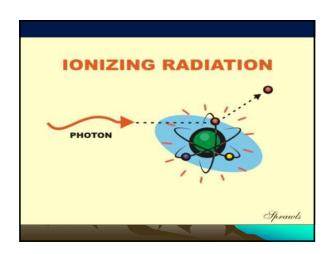


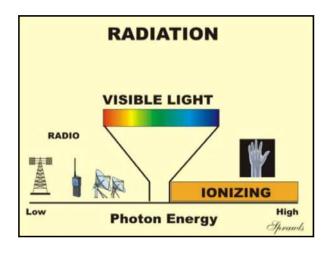


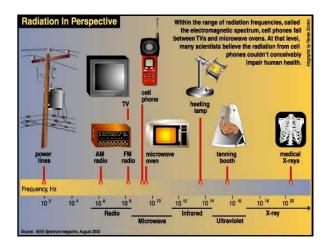


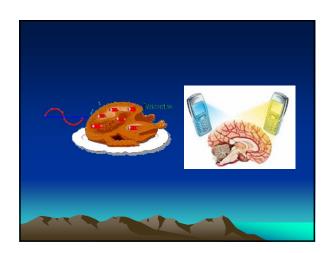






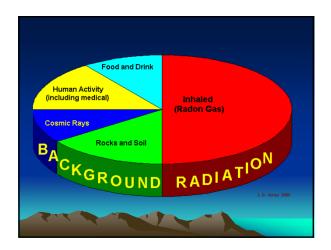


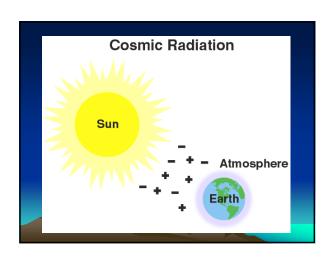


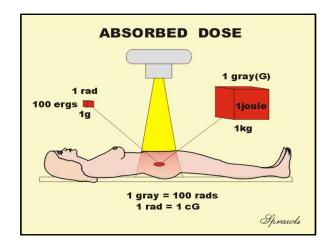




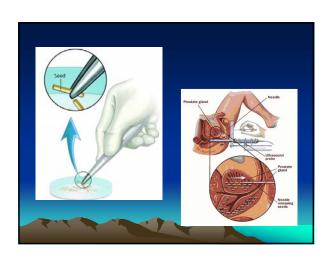


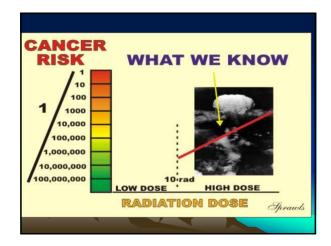


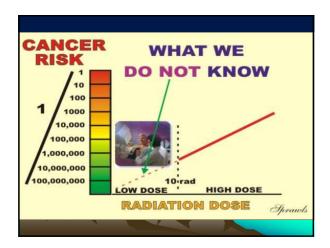


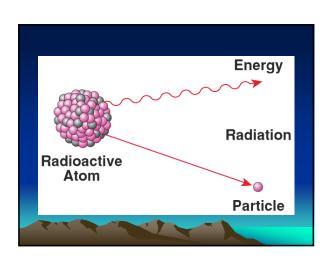


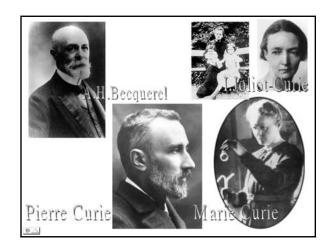






















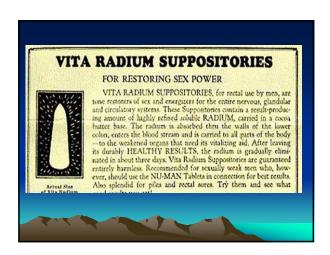




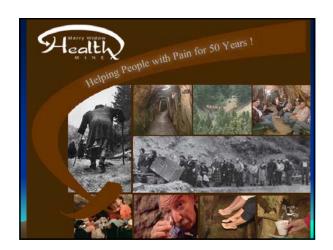






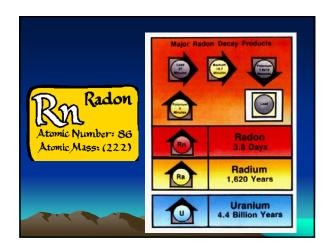


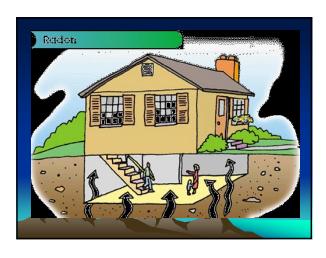


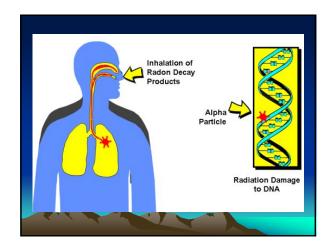


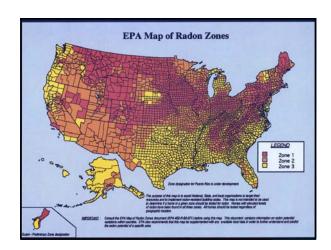


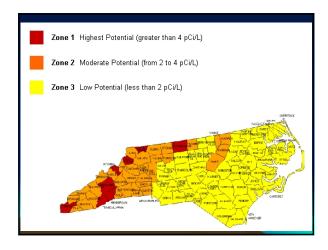


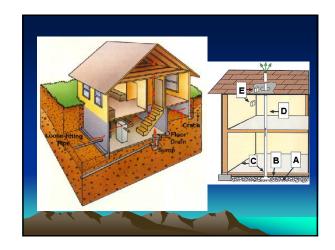


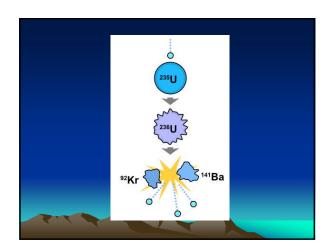


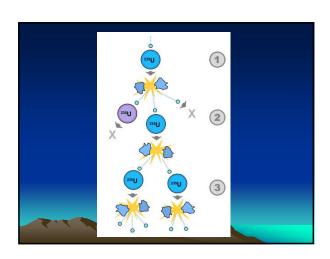






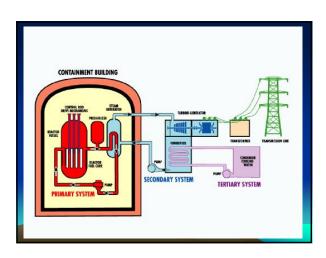


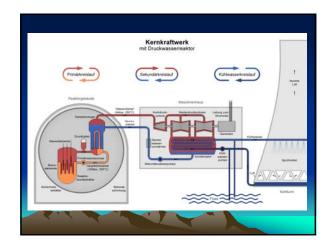


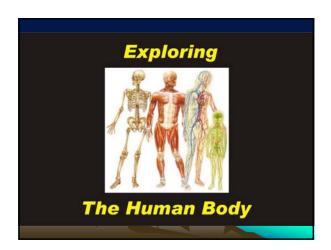






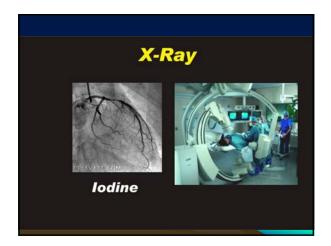


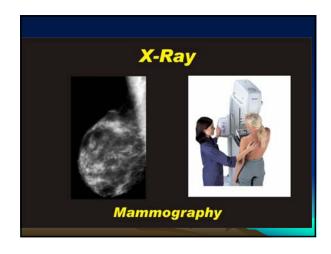


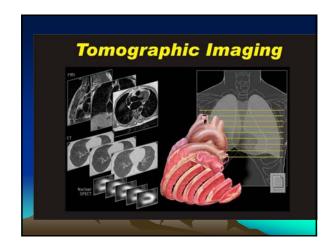


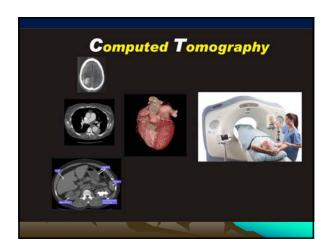




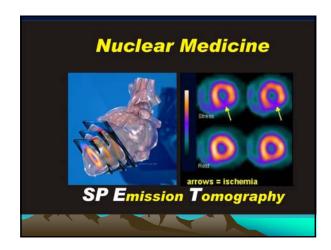


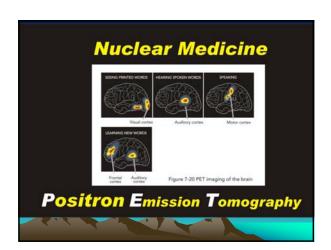




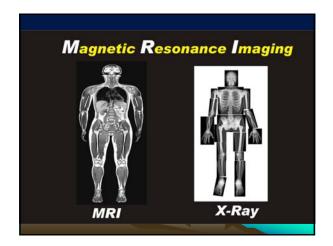












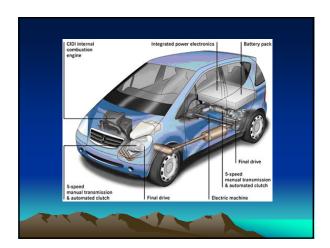




## Energy

Efficiency ← → Waste

Hybrid Cars Light Bulbs Electric Heaters











Medical Physics Education for	
Adults, the General Public	
Perry Sprawls, Ph.D Emory University &	
Sprawls Educational Foundation	
Educational Interest and Needs Organization and Venues	
Topics and Content	
Resources	