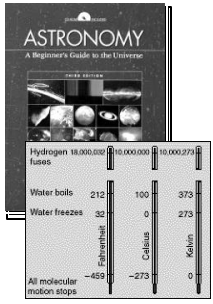

Topic D
"Part 4. Temperature Scales"
 (Web Version: 03-06-01)

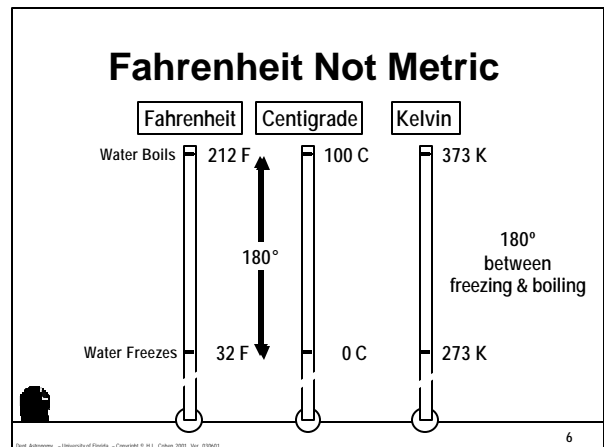
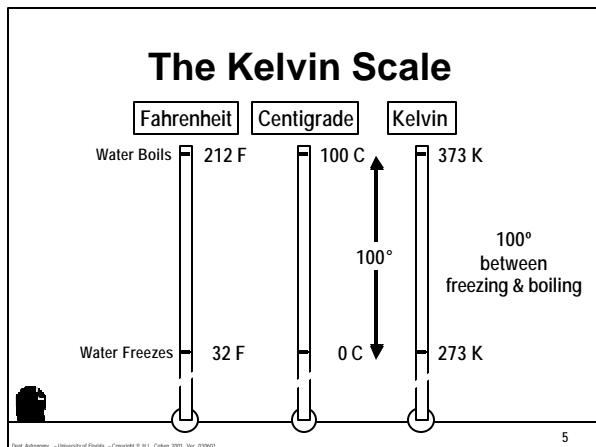
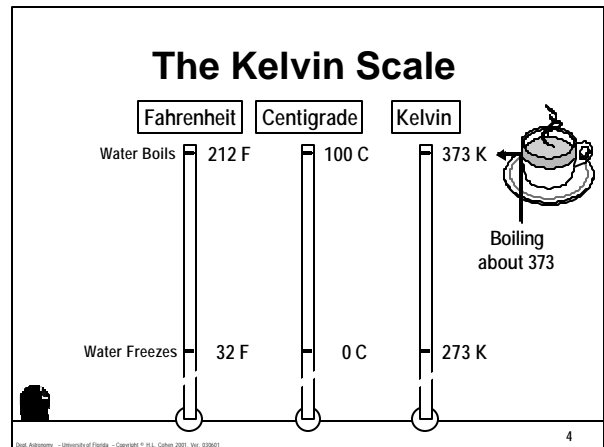
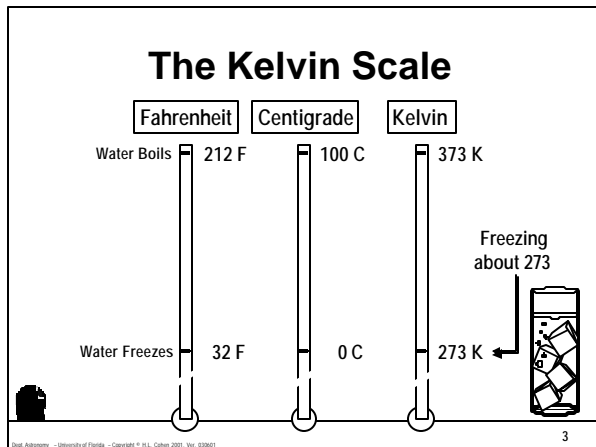
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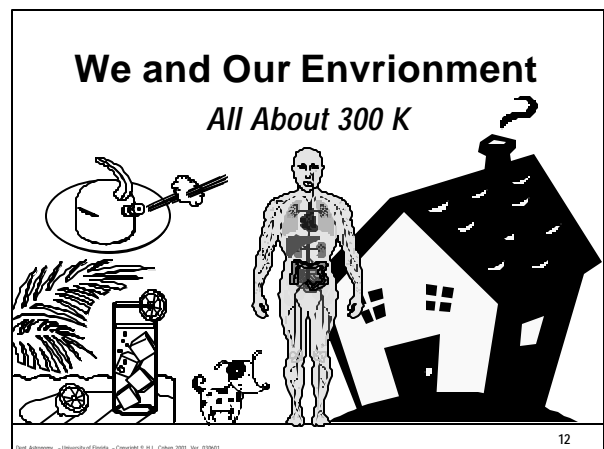
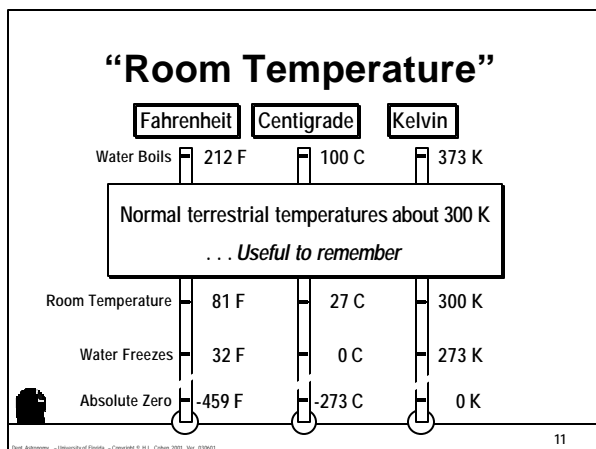
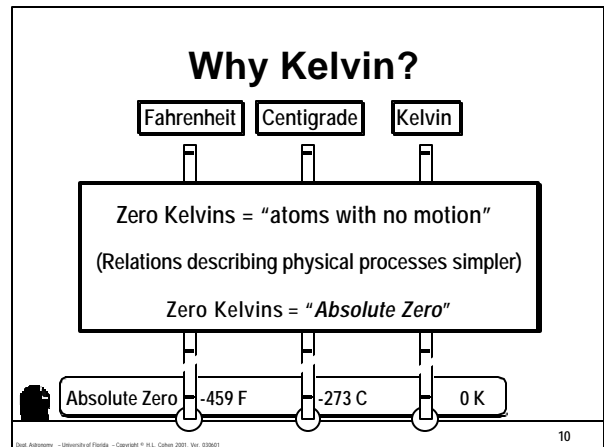
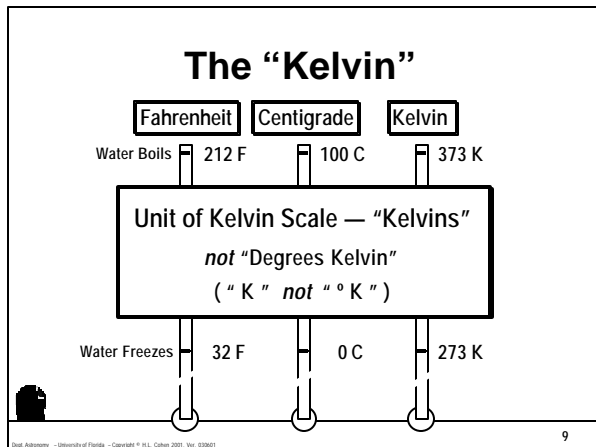
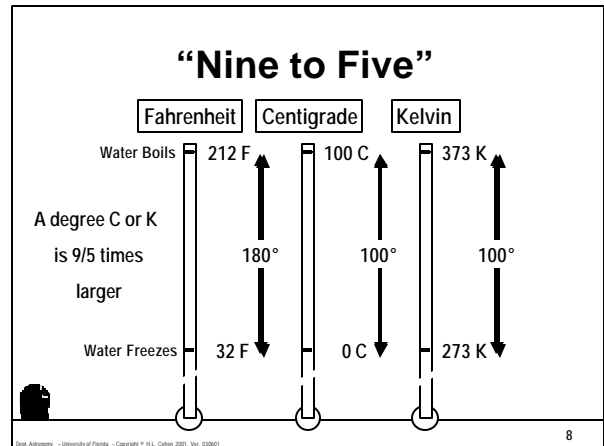
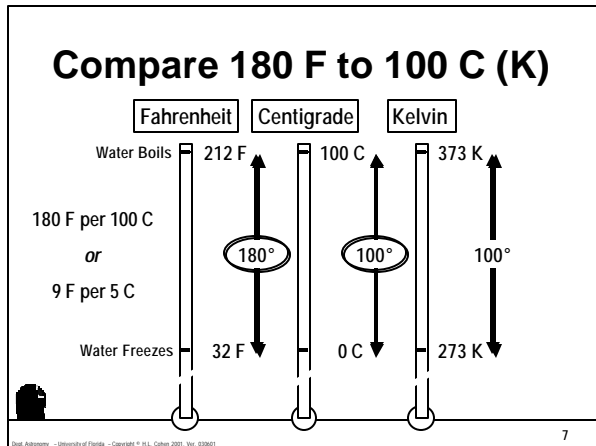
See Textbook (Page 54)

Read/Study
 "The Kelvin
 Temperature
 Scale"
 Quick review follows ®



2





High Temperatures

Fahrenheit	Centigrade	Kelvin
Sun's Surface	9,945 F	5,507C
		5,780 K

What do you notice about these *high* temperatures?

Answer . . .

- Celsius & Kelvin *almost same*
- Fahrenheit *about twice* Kelvin (really 9/5 times larger)

Absolute Zero

-459 F

-273 C

0 K

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High Temperatures

Fahrenheit	Centigrade	Kelvin
Sun's Surface	12,000 F	6,000 C
		6,000 K

What do you notice about these *high* temperatures?

Answer . . .

OK for approximate work!

- Celsius & Kelvin *almost same*
- Fahrenheit *about twice* Kelvin (really 9/5 times larger)

Absolute Zero

-459 F

-273 C

0 K

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Really . . . Why Bother?

- How does it feel to be this hot?
- But what about 12,000 F!
- More meaningful than 6,000 K?

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To Judge High Temperatures

Compare with Sun

Remember . . .

Sun's *surface* temperature

6,000 Kelvins

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