

Answer Key

to Accompany

# Lab Exercises for Refrigeration and Air Conditioning Technology



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Australia • Brazil • Mexico • Singapore • United Kingdom • United States

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# Chapter 1

## COMPLETED TEMPERATURE CONVERSION CHART FROM *TEMPERATURE CONVERSIONS*

(Bolded values in parentheses represent the items that were to be filled in by the student.)

Fahrenheit	Celsius	Rankine	Kelvin
<b>(-460)</b>	<b>(-273)</b>	0	<b>(0)</b>
32	<b>(0)</b>	<b>(492)</b>	<b>(273)</b>
<b>(212)</b>	100	<b>(672)</b>	<b>(373)</b>
<b>(140)</b>	<b>(60)</b>	600	<b>(333)</b>
<b>(-460)</b>	<b>(-273)</b>	<b>(0)</b>	0
200	<b>(93)</b>	<b>(660)</b>	<b>(366)</b>
<b>(-360)</b>	<b>(-218)</b>	100	<b>(55)</b>
<b>(122)</b>	50	<b>(582)</b>	<b>(323)</b>
<b>(81)</b>	<b>(27)</b>	<b>(541)</b>	300
<b>(32)</b>	0	<b>(492)</b>	<b>(273)</b>
150	<b>(66)</b>	<b>(610)</b>	<b>(339)</b>
<b>(-410)</b>	<b>(-246)</b>	50	<b>(27)</b>
<b>(-40)</b>	-40	<b>(420)</b>	<b>(233)</b>
-40	<b>(-40)</b>	<b>(420)</b>	<b>(233)</b>
212	<b>(100)</b>	<b>(672)</b>	<b>(373)</b>
<b>(212)</b>	<b>(100)</b>	<b>(672)</b>	373
<b>(-460)</b>	-273	<b>(0)</b>	<b>(0)</b>
<b>(212)</b>	<b>(100)</b>	672	<b>(373)</b>
5	<b>(-15)</b>	<b>(465)</b>	<b>(258)</b>
<b>(441)</b>	<b>(227)</b>	<b>(901)</b>	500

### ANSWERS TO QUESTIONS IN *TEMPERATURE CONVERSIONS*

1. D.
2. C.
3. A.
4. A.
5. A.
6. C.

### ANSWERS TO QUESTIONS IN *THE BRITISH THERMAL UNIT*

1. A.
2. A.
3. D.
4. B.

# Chapter 1

## **ANSWERS TO QUESTIONS IN *HEAT TRANSFER BY CONDUCTION***

1. B.
2. B.
3. Substances that are good conductors of electricity also tend to be good conductors of heat.