



**Correlation of**  
**Modern Refrigeration and Air Conditioning, by Althouse, Turnquist, Bracciano**  
**(Goodheart-Willcox Publisher ©2021)**  
**to**  
**AHRI Curriculum Guide: XVIII. Indoor Air Quality**

The following chart correlates the *Modern Refrigeration and Air Conditioning* textbook (©2021) to a section of the Curriculum Guide developed by Air-Conditioning, Heating, and Refrigeration Institute (AHRI) and used for PAHRA accreditation.

The chart lists the Curriculum Guide’s knowledge and task competency objectives and the corresponding chapter numbers from *Modern Refrigeration and Air Conditioning*.

For more information on the Partnership for Air-Conditioning, Heating, Refrigeration Accreditation (PAHRA) and related accreditation, please visit: [www.pahrahvacr.org](http://www.pahrahvacr.org)



<b>XVIII.A. Requirement and Maintenance of Air Quality</b>	
<b>Knowledge</b>	<b>Textbook Chapter(s)</b>
1. Define <i>indoor air quality (IAQ)</i> as defined by ASHRAE Std. 62.	Chapter 28
2. Explain sick building syndrome (SBS) and building related illness (BRI).	Chapter 28
3. Explain the different factors that make up acceptable indoor air quality.	
a. pollutant levels	Chapters 27, 28, 29, 30
b. ventilation air quantities	Chapters 27, 28, 29, 30
c. air distribution effectiveness	Chapters 27, 28, 29, 30
d. occupant comfort	Chapters 27, 28, 29, 30