# Health and Natural Sciences

HHS Course #	Indiana DOE#	Course Title	Required	Weighted	# of College Credits Available	Grade Level			
						9	10	11	12
70072	5276	Anatomy & Physiology Honors	E 2	w	6			11	12
70061	5274	Medical Terminology			6		10	11	12
70491	5218	PLTW Principles of Biomedical Science			3	9	10	33	12
70490	5216	PLTW Human Body Systems			3		10	33	12
70489	5217	PLTW Medical Interventions	(i)	w	3			11	12
70488	5219	PLTW Biomedical Innovation		W	3				1.2
HU5284	7166/ 7255	Pre-Nursing (CNA)			8			11	12
70060	7168	Principles of Healthcare	17	- 3	3.5	9	10	11	12

#### CTE CONCENTRATORS FOR THE CLASS OF 2024

Biomedical Technology
Graduation Pathway

PLTW Human Body
Systems

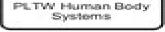
PLTW Medical Interventions

#### CTE CONCENTRATORS FOR THE CLASSES OF 2025 & BEYOND

Biomedical Sciences and Technology Graduation Pathway

Pre-Nursing Graduation Pathway





PLTW Medical Interventions

#### ANATOMY AND PHYSIOLOGY HONORS

Grades 11-12

2 semesters/2 credits

70072

This course can count as a third Core Science course required for graduation.

Anatomy & Physiology is a course in which students investigate concepts related to Health Science, with emphasis on interdependence of systems and contributions of each system to the maintenance of a healthy body. Introduces students to the cell, which is the basic structural and functional unit of all organisms, and covers tissues, integument, skeleton, muscular and nervous systems as an integrated unit. Through instruction, including laboratory activities, students apply concepts associated with Human Anatomy & Physiology. Students will understand the structure, organization and function of the various components of the healthy body in order to apply this knowledge in all health related fields.

Ivy Tech Info: APHY 101; To qualify, students must be Reading/Writing Ready, as well as Lower Math Ready. APHY 102; Students must pass APHY 101 to enroll in APHY 102.

# **Pathway Guide Class 8**

**William Harman Black** 

#### **Pathway Guide Class 8:**

Bradshaw's railway &c. through route and overland quide to India, Egypt, and China; or The traveller's manual [&c. Title varies. Afterw.]. Bradshaw's through route overland guide to India, and colonial handbook [afterw.] Bradshaw's through routes to the capitals of the world and overland guide to India, Persia, and the Far East [afterw.] Bradshaw's through routes to the chief cities of the world. [Issues for 1858-62, 65, 69, 71/2, 73/4, 75/6, 78/9, 84, 98, 1903, [07] 13]. George **The American Travellers' Guides** William Pembroke Fetridge, 1884 Multiple Intelligences in the Elementary Classroom Susan Baum, Julie Viens, Barbara Slatin, 2005-08-26 This book will help teachers design effective curriculum for their students with diverse learning abilities. The authors have created a guided process to apply MI theory to the elementary school classroom The five pathways or approaches examined Exploration Bridging Understanding Authentic Problems and Talent Development represent the ways in which MI can be implemented and nurtured across the elementary grades The Pathways Model promotes and supports the development of a well grounded understanding of MI theory to inform goal setting and planning for using multiple intelligences theory in the classroom Each pathway addresses a different set of goals and provides appropriate guidelines and examples **Grayson County Virginia Fishing & Floating Guide Book** Jim Maccracken, 2017-09-25 Grayson County Virginia Fishing Floating Guide Book Over 845 full 8 x 11 sized pages of information with maps and aerial photographs available Fishing information is included for ALL of the county's public ponds and lakes listing types of fish for each pond or lake average sizes and exact locations with GPS coordinates and directions Also included is fishing information for most of the streams and rivers including access points and public areas with road contact and crossing points and also includes fish types and average sizes NEW NEW Now with a complete set of full sized U S G S Topographical Maps for the entire county that normally cost from 12 00 to 14 00 each but are included on the disk for FREE These maps are complete full sized 7 5 minute series quadrangle maps in 1 24 000 scale maps Contains complete information on Baldwin Branch Big Horse Creek Big Wilson Creek Bournes Branch Byers Creek Cabin Creek Chestnut Creeks WW Clems Branch Comers Rock Creek Elk Creek WW Elk Creek North Branch Fox Creeks Guffy Creek Hales Lakes Hanks Branch Helton Creeks Houndshell Branch Jerry Creek Laurel Creek Lewis Fork Little Helton Creek Little Wilson Creek Mill Creek 2 New River Old Bridal Creek Opossum Creek Parks Creek Piney Creek Quebec Branch Ripshin Creek Roberts Cove Run Shupe Creek Soloman Branch Whitetop Creek Wilbern Branch WEW is whitewater Carroll County Virginia Fishing & Floating Guide Book Jim Maccracken, 2017-09-04 Carroll County Virginia Fishing Floating Guide Book Over 422 full 8 x 11 sized pages of information with maps and aerial photographs available Fishing information is included for ALL of the county's public ponds and lakes listing types of fish for each pond or lake average sizes and exact locations with GPS coordinates and directions Also included is fishing information for most of the streams and rivers including access points and public areas with road contact and crossing points and also includes fish types and average sizes

NEW NEW Now with a complete set of full sized U S G S Topographical Maps for the entire county that normally cost from 12 00 to 14 00 each but are included on the disk for FREE These maps are complete full sized 7 5 minute series quadrangle maps in 1 24 000 scale maps Contains complete information on Big Reed Island Creek WW FF Burkes Fork Crooked Creeks Elk Spur Branch Elkhorn Creek Laurel Fork Little Reed Island Creek WW Little Snake Creek Long Mountain Creek Lovills Creek Lovills Creek Lake Mill Creek New River Pauls Creek Roads Creek Snake Creeks Stewarts Creeks Trout Branch and Turkey Creek **Resources in Education** ,1997 Sport Nutrition Asker Jeukendrup, Michael Gleeson, 2024-06-05 Sport Nutrition Fourth Edition uses a physiological basis to provide an in depth look at the science supporting nutrition recommendations Students will come away with an understanding of nutrition as it relates to sports and of the influence of nutrition on performance training and recovery Floyd County Virginia Fishing & Floating Guide Book Jim Maccracken, 2017-09-04 Floyd County Virginia Fishing Floating Guide Book Over 300 full 8 x 11 sized pages of information with maps and aerial photographs available Fishing information is included for ALL of the county's public ponds and lakes listing types of fish for each pond or lake average sizes and exact locations with GPS coordinates and directions Also included is fishing information for most of the streams and rivers including access points and public areas with road contact and crossing points and also includes fish types and average sizes NEW NEW Now with a complete set of full sized U S G S Topographical Maps for the entire county that normally cost from 12 00 to 14 00 each but are included on the disk for FREE These maps are complete full sized 7 5 minute series quadrangle maps in 1 24 000 scale maps Contains complete information on Burkes Fork Furnace Creeks Goose Creeks Howell Creek Indian Creek Laurel Fork Little Indian Creek Little Rivers Long Mountain Creek Mira Fork Rennett Bag Creek Rush Fork and Shooting Creek WW is whitewater <u>Critical Pathways in</u> Cardiovascular Medicine Christopher P. Cannon, Patrick T. O'Gara, 2007 Full text medical e book Cassell's pictorial **guide to the Clyde** Cassell, ltd,1902 Cook's continental time tables, tourist's handbook and steamship tables, a simple quide to all the principal lines of railway, lake, river and canal steamers and diligences in Europe 1905, Cook's Tourist's Handbook for Switzerland ,1895 Practical general continental guide, by an Englishman abroad [A.T. Gregory]. Special ed. Anglo-Amer Alexander Tighe Gregory, 1883 The Rough Guide to Cape Town, Winelands & Garden Route Rough Guides, 2018-01-04 Discover Cape Town the Winelands and the Garden Route with the most incisive and entertaining quidebook on the market Whether you plan to admire the panoramic views from the top of Table Mountain indulge on a wine estate tour or spot the Big Five in a wildlife reserve this new edition of The Rough Guide to Cape Town the Winelands and the Garden Route will show you ideal places to sleep eat drink and shop along the way Inside The Rough Guide to Cape Town the Winelands and the Garden Route Independent trusted reviews written in Rough Guides trademark blend of humour honesty and insight to help you get the most out of your visit with options to suit every budget Full colour maps throughout navigate Cape Town s city centre or find your way around Stellenbosch without needing to get online Stunning inspirational images

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merchants muleteers collectors and painters who participated in the critical observation of the region s geographic features. Demand for maps reconfigured technologies associated with the making of colorants adhesives and paper that drew from Indian botany and experimentation trans Atlantic commerce and Iberian notarial culture. The maps in this study reflect a regional perspective associated with Oaxaca's decentralized organization its strategic position amidst a network of important trade routes that linked central Mexico to Central America and the ruggedness and diversity of its physical landscape

Gaze's Tourists Gazette ,1900 Bradshaw's Through Route Overland Guide to India, and Colonial Handbook ,1884

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web the pcl 3 lewis structure has the typical case of phosphorus p in the center with 3 bonds to 3 other atoms phosphorus is from the same column as nitrogen in the periodic table meaning that p and n generally have the same bonding structure note the lone pair dots without bonds on top of p just like for n in the previous example for nh 3 chlorine cl

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web step 1 figure out how many electrons the molecule must have based on the number of valence electrons in each atom when drawing the structure of an ion be sure to add subtract electrons to account for the charge step 2 connect the atoms to each other with single bonds to form a skeleton structure

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