

IB BIOLOGY

Mark Scheme

Transport in xylem 9.1 WORKSHEET 2

Q 1. Transport in the vascular plants

Q 1.1 Multiple choice

1. A
2. C
3. A

Q 1.2 Short-answer question

1. a. reduced flow through xylem due to fewer vessels open
b. reduced ability to transport minerals and water
c. apical meristem dying
d. embolism
e. shoot becomes wilting/drooping
f. reduced height/terminal growth
g. T.A.M. embolism in vessels can spread around during night
h. T.L. provides support in vessels and leaves closed during night

(4 marks)

Q 1.3 Short-answer question

1. a. large xylem, but also some smaller vessels (smaller than large metatracheids)
b. large metatracheids (tracheids) (large metatracheids are highly tapered and elongated) (tracheids have thickened ends)
c. large metatracheids (tracheids) (large metatracheids are highly tapered and elongated) (tracheids have thickened ends)
d. large metatracheids (tracheids) (large metatracheids are highly tapered and elongated) (tracheids have thickened ends)
e. large metatracheids (tracheids) (large metatracheids are highly tapered and elongated) (tracheids have thickened ends)
f. large metatracheids (tracheids) (large metatracheids are highly tapered and elongated) (tracheids have thickened ends)
g. large metatracheids (tracheids) (large metatracheids are highly tapered and elongated) (tracheids have thickened ends)
h. large metatracheids (tracheids) (large metatracheids are highly tapered and elongated) (tracheids have thickened ends)
i. large metatracheids (tracheids) (large metatracheids are highly tapered and elongated) (tracheids have thickened ends)
j. large metatracheids (tracheids) (large metatracheids are highly tapered and elongated) (tracheids have thickened ends)

(6 marks)

May 2013 Ib Biology Mark Scheme

Jianjun Gao



May 2013 Ib Biology Mark Scheme:

Unveiling the Energy of Verbal Beauty: An Mental Sojourn through **May 2013 Ib Biology Mark Scheme**

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Table of Contents May 2013 Ib Biology Mark Scheme

1. Understanding the eBook May 2013 Ib Biology Mark Scheme
 - The Rise of Digital Reading May 2013 Ib Biology Mark Scheme
 - Advantages of eBooks Over Traditional Books
2. Identifying May 2013 Ib Biology Mark Scheme
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an May 2013 Ib Biology Mark Scheme
 - User-Friendly Interface
4. Exploring eBook Recommendations from May 2013 Ib Biology Mark Scheme
 - Personalized Recommendations

- May 2013 Ib Biology Mark Scheme User Reviews and Ratings
- May 2013 Ib Biology Mark Scheme and Bestseller Lists
- 5. Accessing May 2013 Ib Biology Mark Scheme Free and Paid eBooks
 - May 2013 Ib Biology Mark Scheme Public Domain eBooks
 - May 2013 Ib Biology Mark Scheme eBook Subscription Services
 - May 2013 Ib Biology Mark Scheme Budget-Friendly Options
- 6. Navigating May 2013 Ib Biology Mark Scheme eBook Formats
 - ePub, PDF, MOBI, and More
 - May 2013 Ib Biology Mark Scheme Compatibility with Devices
 - May 2013 Ib Biology Mark Scheme Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of May 2013 Ib Biology Mark Scheme
 - Highlighting and Note-Taking May 2013 Ib Biology Mark Scheme
 - Interactive Elements May 2013 Ib Biology Mark Scheme
- 8. Staying Engaged with May 2013 Ib Biology Mark Scheme
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers May 2013 Ib Biology Mark Scheme
- 9. Balancing eBooks and Physical Books May 2013 Ib Biology Mark Scheme
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection May 2013 Ib Biology Mark Scheme
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine May 2013 Ib Biology Mark Scheme
 - Setting Reading Goals May 2013 Ib Biology Mark Scheme
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of May 2013 Ib Biology Mark Scheme
 - Fact-Checking eBook Content of May 2013 Ib Biology Mark Scheme

- Distinguishing Credible Sources
- 13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
- 14. Embracing eBook Trends
 - Integration of Multimedia Elements
 - Interactive and Gamified eBooks

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