

# COMPOSITE MATERIALS - NATURAL WOODS

V.Ryan © 2000 - 2010

On behalf of The World Association of Technology Teachers

## W.A.T.T.



World Association of Technology Teachers

This exercise can be printed and used by teachers and students. It is recommended that you view the website ([www.technologystudent.com](http://www.technologystudent.com)) before attempting the design sheet .

THESE MATERIALS CAN BE PRINTED AND USED BY TEACHERS AND STUDENTS.  
THEY MUST NOT BE EDITED IN ANY WAY OR PLACED ON ANY OTHER MEDIA INCLUDING WEB SITES AND INTRANETS.  
NOT FOR COMMERCIAL USE.  
THIS WORK IS PROTECTED BY COPYRIGHT LAW.  
IT IS ILLEGAL TO DISPLAY THIS WORK ON ANY WEBSITE/MEDIA STORAGE OTHER THAN [www.technologystudent.com](http://www.technologystudent.com)

# COMPOSITE MATERIALS - NATURAL WOODS

V.Ryan © 2010 World Association of Technology Teachers

1. What is a composite material?

---

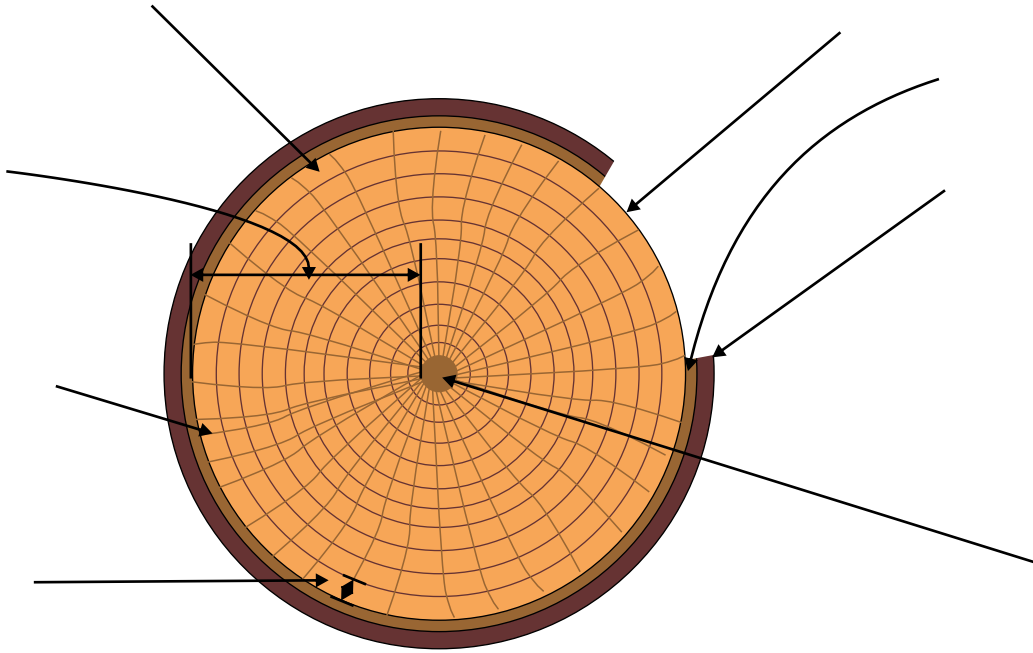
---

2. Why can a natural wood be considered a composite material?

---

---

3. Label the drawing of a cross-section of a tree trunk, naming all the parts, as indicated by the arrows.



4. Write a description of each of the parts of a tree trunk, listed below.

PITH: \_\_\_\_\_

ANNUAL RINGS: \_\_\_\_\_

HEART WOOD: \_\_\_\_\_

SAPWOOD: \_\_\_\_\_

CAMBIUM LAYER: \_\_\_\_\_

CORTEX and BARK: \_\_\_\_\_

RAYES: \_\_\_\_\_