**Keeping pace: Cardiac muscle and heart beat**

1. Why does the heart muscle maintain aerobic respiration? How does it do this?
2. What happens when a coronary artery becomes blocked?
3. How does cardiac muscle differ from normal communication in the nervous system?
4. What is the pacemaker of the heart?
5. Why do the atria and ventricles contract independently?
6. How does the ventricular contraction start at the base of the ventricle?
7. What ensures that the ventricles do not contract until the atria have finished emptying?
8. Give explanations for: coronary heart disease; angina, heart attack, heart block and congestive heart failure

RESEARCH: Are there any new developments in the treatment of damaged heart muscle?

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