

MFMA SUSTAINABILITY **Student Review and Assessment**

USING SPORTS TO UNDERSTAND SUSTAINABLE FORESTRY &
THE ENVIRONMENTAL BENEFITS OF HARDWOOD

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Student Review and Assessment

1. What are the 7 characteristics of hardwood that make it a sustainable material?
2. Which of 7 characteristics of hardwood relates to the Janka Hardness scale? What is the Janka hardness scale?
3. What are two of the reasons why hard maple is the preferred tree species to produce the sports flooring wood product?
4. What is the difference between renewable and sustainable?
5. Why are we concerned with GHGs and carbon dioxide in the atmosphere?
6. Where does the carbon in vinyl or concrete gym floors come from?
7. If we cut down trees wisely to produce wood products like gym floors, does that mean the forest is gone forever? How do we make sure the forest is not gone forever?
8. What is a carbon sink? What are two examples of natural carbon sinks?
9. What are working forests? Why do they need to be managed sustainably? What does sustainable forestry mean?
10. What are GHGs? What kind of impacts can GHGs have on human health and the environment?
11. How is carbon sequestration and carbon storage related? How do they relate to photosynthesis and the carbon stored in the gym floor?
12. Are there more harvests or growth rates on maple species in your state? What does this say about sustainable forestry?
13. What does it mean to feel connected to nature? And connected to the trees or forests in your local surroundings and in the State where you're from?
14. As fossil fuels continue to be utilized in everyday life, what is one solution we can use to minimize our dependence on fossil based non-renewable resources and also reduce the amount of fossil fuel burning that creates environmental impact? Name three reasons why hardwood is more beneficial to the environment than alternative materials.