

Name \_\_\_\_\_

## Michigan's Marvelous Climate: Four Seasons of Weather Wonders

### Short Answer Key

1. Michigan's summer climate is warm and sunny, with temperatures ranging from the 70s to the 80s Fahrenheit. It's characterized by outdoor activities like swimming, hiking, and beachgoing.
2. The Great Lakes have a moderating effect, keeping winters milder and summers cooler in cities like Detroit and Grand Rapids compared to areas further inland.
3. Lake effect snow occurs when cold air passes over the relatively warmer Great Lakes, picking up moisture and resulting in heavy snowfall in regions along the lakeshores.
4. The "rain shadow effect" occurs in the eastern part of Michigan, where the land is sheltered from moisture-laden air masses by the Great Lakes. This results in drier conditions and less precipitation compared to the western part of the state.
5. Possible answers include apple picking, hiking, or enjoying the scenic beauty of changing foliage.

