Difference between a pure substance and a mixture

A pure substance has only one type of element or compound and it as a fixed melting and boiling point
a mixture contain two or more substances that are not chemically joined and it melts or boil over a range of temperature

Using melting point to tell if a substance is a mixture or pure

If a substance melts at one sharp temperature it is pure
if it melts our range of temperature it is a mixture