7E Mixtures and Separating Techniques

Draw a ring around a number of stars for each statement. If you are very confident about a statement, draw your ring around all the stars. If you do not know anything about a statement do not draw a ring.

| Topic | At the end of the unit: |  |  |
| --- | --- | --- | --- |
| 7Ea |
|  | Describe and identify mixtures. | UK, iLS, CEE | \* \* \* \* \* |
|  | Describe how insoluble solids can be separated from a liquid. | UK, iLS, CEE | \* \* \* \* \* |
|  | Classify mixtures. | UK, iLS, CEE | \* \* \* \* \* |
| 7Eb |
|  | State the meaning of dissolving. | UK, iLS, CEE | \* \* \* \* \* |
|  | Describe how some solids can be used to form a solution and what is meant by a saturated solution. | UK, iLS, CEE | \* \* \* \* \* |
|  | Identify the solute and solvent in a solution. | UK, iLS, CEE | \* \* \* \* \* |
|  | State what happens to mass when a solution is formed. | UK, iLS, CEE | \* \* \* \* \* |
|  | State the meaning of concentration and solubility, and how solubility is affected by temperature and solvent.  | UK, iLS, CEE | \* \* \* \* \* |
| 7Ec Working Scientifically |
|  | Identify hazards and plan ways to control the risk of harm from hazards.  | UK, iLS, CEE | \* \* \* \* \* |
|  | Use a Bunsen burner safely (including understanding of its parts and flame types). | UK, iLS, CEE | \* \* \* \* \* |
|  | Heat a solution to dryness safely. | UK, iLS, CEE | \* \* \* \* \* |
| 7Ec |
|  | Describe how soluble solids can be separated from a solution. | UK, iLS, CEE | \* \* \* \* \* |
|  | Describe the difference between evaporation and boiling. | UK, iLS, CEE | \* \* \* \* \* |
|  | Describe how to determine whether a liquid is pure.  | UK, iLS, CEE | \* \* \* \* \* |
| 7Ed |
|  | Describe how chromatography can be used to separate mixtures. | UK, iLS, CEE | \* \* \* \* \* |
|  | Explain how chromatography works, and interpret a chromatogram. | UK, iLS, CEE | \* \* \* \* \* |
| 7Ee |
|  | Describe how distillation can be used to separate mixtures. | UK, iLS, CEE | \* \* \* \* \* |
|  | State examples of where distillation is used. | UK, iLS, CEE | \* \* \* \* \* |
|  | Explain how distillation works. | UK, iLS, CEE | \* \* \* \* \* |