

Unit 1 Vocabulary

Basics of Geometry – Points, Lines, Planes, Space

| | Vocabulary Word | Picture | Definition |
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| 1. | Acute Angle | | Any angle measuring less than 90 |
| 2. | Adjacent Angles | | Two angles that share a common side and vertex |
| 3. | Angle | | Formed by two rays and share a common vertex |
| 4. | Angle Bisector | | A ray that divides an angle into two congruent angles |
| 5. | Collinear | | Points that lie on the same line |
| 6. | Complementary Angles | | Two angles whose sum is 90 degrees |
| 7. | Congruent Angles | | Angles with the same measure |
| 8. | Congruent Segments | | Segments with the same length |
| 9. | Coplanar | | Objects that lie on the same plane |
| 10. | Line | | Infinite set of collinear points |
| 11. | Linear Pair | | Adjacent angles whose non-adjacent sides form opposite rays |
| 12. | Midpoint | | A point that divides a segment into two congruent segments |
| 13. | Non-collinear | | Points that do not lie on the same line |
| 14. | Non-coplanar | | Objects that do not lie in the same plane |
| 15. | Obtuse Angle | | Angle that measures greater than 90 but less than 180 |
| 16. | Opposite Rays | | Two collinear rays with the same end point (forms a line) |
| 17. | Parallel Lines | | Coplanar lines that never intersect |

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| 18. | Perpendicular Bisector | | Any segment bisector that intersects the midpoint at 90 degrees |
| 19. | Perpendicular Lines | | Lines that intersect at 90 |
| 20. | Plane | | A boundless flat surface (3 non-collinear points) |
| 21 | Point | | A size-less location in space |
| 22. | Postulate | | A statement that is assumed to be true |
| 23. | Ray | | Part of a line consisting of one endpoint and all the points of the line on one side of the endpoint |
| 25. | Right Angle | | Angle measuring 90 degrees |
| 26. | Segment | | Part of a line consisting of two endpoints and all the points in between |
| 27. | Segment Bisector | | Any line segment, line, ray or plane that intersects a segment at the midpoint |
| 28 | Skew Lines | | Non-coplanar lines that do not intersect |
| 29 | Space | | Infinite set of points everywhere (4 non-coplanar points) |
| 30. | Straight Angle | | Angle measuring 180 |
| 31. | Supplementary Angles | | Two angles whose sum is 180 |
| 32. | Theorem | | A statement that requires proof |
| 33. | Vertical Angles | | Two angles whose sides form two pairs of opposite rays |
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