*Приложение 1*

Кырлан З.В. 272-976-523

**Характеристика углерода по его положению в Периодической системе Д.И. Менделеева**

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| Хим.символ |  |  |  |
| Порядковый номер |  |  |  |
| Период |  |  |  |
| Группа |  |  |  |
| Подгруппа |  |  |  |  |
| Число протонов |  | равно |

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| Число электронов |  |

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Равно числу |  |
| Число нейтронов |  | Вычисляют по формуле \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  |
| Заряд ядра |  |

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Имеет знак | и равен числу |

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| Атомы углерода будут проявлять как окислительные свойства, получая в результате степень окисления \_\_\_\_ |
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(в соединениях с | так и восстановительные свойства, получая при этом |
| степени окисления \_\_\_ и \_\_\_ ( с более |

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| элементами, например с кислородом). | По сравнению с соседними по группе и периоду элементами углерод |
| более сильный окислитель, чем |

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, но |
| менее сильный, чем |

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| Углерод образует несколько простых веществ, т.е. для него характерно явление |
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