

ENTC 1120—MATERIALS REPORT

Material assigned: _____

Your report will consist of **EXACTLY three (3) pages** appropriately formatted that will contain:

All pages: A page header in 10 pt Arial typeface with the following information:
Last name, First Name Material name ENTC 1120 Spr10

Page 1: A **table** of the material's properties to include, but not limited to, the following:

- **Physical:** Specific gravity and volume, density, etc.
- **Mechanical:** Tensile (yield, ultimate, & fracture) and compressive strengths, tensile modulus, hardness, Izod impact strength, elongation, wear resistance, etc.
- **Metallurgical:** Alloy(s), heat treatments (tempers), forms, malleability, machinability, etc.
- **Thermal:** Thermal conductivity, coefficient of thermal expansion, deflection temperature, transition temp., flammability class (UL), etc.
- **Chemical:** Resistance to sunlight, acids, alkalis, salt water, petroleum products, etc.
- **Electrical:** Volume resistivity, arc resistance, dielectric strength, etc.

Page 2: A material overview in paragraph format to include, but not limited to, the following:

- A **brief** history of the material (discovery & early usage).
- Advantages of the material.
- Disadvantages of the material.
- **End user** fabrication methods and characteristics, including special handling.
- A list or table of typical/recommended applications.

Page 3: A bibliography with a **minimum of 3 citations** in APA format (see also CBAT *Language Skills Handbook*; for URL link, see below). **NO WIKI!!!!!!!!!!**

RULES

1. Reports must be typed or by computer/word processor.
2. For maximum points, use paragraph formatting (e.g., indents, tab instead of spaces, etc.)
3. Hand drawn table boundaries are acceptable (Please, use a straight edge!).
- D. Margins (all pages): Left 1.25", Right 1.00", Top 0.70", and Bottom 0.70".
- E. Bibliography and citations per APA format (see On-line CBAT Language Skills Handbook at http://www.etsu.edu/scitech/langskil/reports.htm#Citation_Head).
- vi. Grading is based upon content (40%), organization (30%), and grammar (30%).
Note: Grammar mistakes count -5% EACH; i.e., if you have more than **six** grammar mistakes (spelling, sentence structure, punctuation, etc.), **you will fail the assignment.**

You've been warned; don't play cute.

For more information, see the CBAT Written Error Elimination Policy (WEEP)
(Well, it used to be available on Desire-2-Learn...but I can't seem to find it anymore).