

1. Room B's Wall #4, made of Sandstone, if the temperature inside is 77°F and outside is 104°F?
2. Room B's 4 Walls, made of Slate, if the temperature inside is 70°F and outside is 41°F?
3. Room C's Wall #2, made of Hastelloy C, if the temperature inside is 64°F and outside is 90°F?
4. Room B's Wall #3, made of Hairfelt, if the temperature inside is 68°F and outside is 29°F?
5. Room C's Floor, made of Urethane foam, if the temperature inside is 85°F and outside is 14°F?
6. Room C's Wall #1, made of Concrete, lightweight, if the temperature inside is 63°F and outside is 16°F?
7. Room C's TSA, made of Fire-clay brick 500oC, if the temperature inside is 82°F and outside is 78°F?
8. Room C's Wall #1, made of Ground or soil, dry area, if the temperature inside is 60°F and outside is 55°F?
9. Room C's Wall #1, made of Softwoods (fir, pine ..), if the temperature inside is 81°F and outside is 66°F?
10. Room A's 4 Walls, made of Pitch, if the temperature inside is 59°F and outside is -5°F?
11. Room C's TSA, made of Straw slab insulation, compressed, if the temperature inside is 71°F and outside is 30°F?
12. Room A's Wall #3, made of Balsa wood, if the temperature inside is 66°F and outside is 35°F?
13. Room B's Ceiling, made of Plywood, if the temperature inside is 58°F and outside is 85°F?
14. Room C's Wall #4, made of Wood across the grain, yellow pine, if the temperature inside is 84°F and outside is 102°F?
15. Room A's Wall #4, made of Rubber, natural, if the temperature inside is 72°F and outside is 92°F?
16. Room B's Wall #4, made of Glass, Pearls, dry, if the temperature inside is 85°F and outside is 94°F?
17. Room B's Wall #2, made of Fiber hardboard, if the temperature inside is 62°F and outside is 44°F?
18. Room A's Wall #2, made of Silica aerogel, if the temperature inside is 61°F and outside is 8°F?

1. Ammonia, 212oF cycle, 1111 (lb/hr) flowrate, outside is 57°F, inside 70°F?
2. Ether cycle, 1214 (lb/hr) flowrate, outside is 78°F, inside 89°F?
3. Hexane cycle, 1307 (lb/hr) flowrate, outside is 56°F, inside 41°F?
4. Heptane cycle, 628 (lb/hr) flowrate, outside is 83°F, inside 55°F?
5. Glycerine cycle, 1201 (lb/hr) flowrate, outside is 73°F, inside 88°F?
6. Calcium Chloride cycle, 759 (lb/hr) flowrate, outside is 81°F, inside 55°F?
7. n-Butane, 32oF cycle, 545 (lb/hr) flowrate, outside is 64°F, inside 44°F?
8. Dodecane cycle, 1343 (lb/hr) flowrate, outside is 41°F, inside 78°F?
9. Hexane cycle, 719 (lb/hr) flowrate, outside is 44°F, inside 59°F?
10. Propylene Glycol cycle, 894 (lb/hr) flowrate, outside is 85°F, inside 73°F?
11. Alcohol, methyl. 40 - 50oF cycle, 1039 (lb/hr) flowrate, outside is 53°F, inside 76°F?
12. Alcohol, propyl cycle, 1346 (lb/hr) flowrate, outside is 60°F, inside 67°F?
13. Water, fresh cycle, 841 (lb/hr) flowrate, outside is 52°F, inside 73°F?
14. Aniline cycle, 1188 (lb/hr) flowrate, outside is 87°F, inside 60°F?
15. Ethylene glycol cycle, 563 (lb/hr) flowrate, outside is 40°F, inside 77°F?
16. Propane, 32oF cycle, 1365 (lb/hr) flowrate, outside is 65°F, inside 45°F?
17. Dodecane cycle, 789 (lb/hr) flowrate, outside is 70°F, inside 90°F?
18. Ethyl ether cycle, 512 (lb/hr) flowrate, outside is 55°F, inside 52°F?