



3. For several important work activities (examples: teaching a class, supervising a summer intern, completing a proteomic screen, writing a paper) list specific tasks associated with the activity and consider the transferable skills necessary to complete the tasks (Table on Page 2).

ACTIVITY #1:	
TASKS	TRANSFERRABLE SKILLS

ACTIVITY #2:	
TASKS	TRANSFERRABLE SKILLS

4) What are some of my highly developed or developing skills?

5) What skills do I wish to develop further? How will I accomplish this?

## WHAT ARE MY JOB-RELATED NEEDS?

We all want and need different things from our jobs and we derive work satisfaction in different ways. To help you assess your needs rate each of the following statements as:

Not important to me (NI)

Important to me (I)

Very important to me (VI)

Keep in mind that there are no right or wrong ratings; it is a process of identifying what matters most to **you** rather than to someone else.

I am interested in a career that includes:

- \_\_\_\_\_ A lot of mental challenge and problem-solving
- \_\_\_\_\_ Autonomy, independence, freedom
- \_\_\_\_\_ Creating or building things
- \_\_\_\_\_ Friendships and warm working relationships
- \_\_\_\_\_ Flexibility in work schedule and structure
- \_\_\_\_\_ Frequent dealings with the public
- \_\_\_\_\_ Global perspectives and international work
- \_\_\_\_\_ Having a positive impact on others and society
- \_\_\_\_\_ High degree of competition
- \_\_\_\_\_ Immediate or rapid feedback and gratification
- \_\_\_\_\_ Intellectual status; to be acknowledged as an "expert" in a given field
- \_\_\_\_\_ Job stability and security
- \_\_\_\_\_ Making decisions and having power to decide courses of action
- \_\_\_\_\_ Many deadlines and time demand/pressure challenges
- \_\_\_\_\_ Opportunities for supervision, power, leadership, influence
- \_\_\_\_\_ Opportunity for balance between work and family
- \_\_\_\_\_ Order and structure
- \_\_\_\_\_ Precision work with little tolerance for error
- \_\_\_\_\_ Prestige, respect, or a level of social status
- \_\_\_\_\_ Respect, recognition, being valued
- \_\_\_\_\_ Routine, predictable work and work projects
- \_\_\_\_\_ Substantial alone time and solitary work
- \_\_\_\_\_ Substantial financial compensation and financial rewards
- \_\_\_\_\_ Substantial teamwork and group interaction
- \_\_\_\_\_ Tranquility, comfort, and avoidance of pressure
- \_\_\_\_\_ Using creativity, imagination; being innovative
- \_\_\_\_\_ Using cutting edge or pioneering technologies or techniques
- \_\_\_\_\_ Variety and a changing work pace

Focusing on needs you rated as VERY IMPORTANT to you, rank them from most important to least important:

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_

What types of jobs will satisfy these very important job-related needs? What jobs that you are considering might prove challenging when you consider these personal needs/work values? How might you work around those challenges?

## WHAT ARE MY INTERESTS?

List your scientific and/or artistic interests.

_____	_____
_____	_____
_____	_____

List your hobbies and extracurricular activities.

_____	_____
_____	_____
_____	_____

List activities that you enjoy, such as public speaking, planning events, debating, teaching others, analyzing data, writing.

_____	_____
_____	_____
_____	_____

List activities that you do NOT enjoy, such as public speaking, planning events, debating, teaching others, analyzing data, writing.

_____	_____
_____	_____
_____	_____

Identify themes that emerge from the exercise:

Things that interest me: \_\_\_\_\_

Things that do NOT interest me: \_\_\_\_\_

## SELF-ASSESSMENT PROFILE

Review the previous three exercises and enter the data requested below:

List the top 3 skills you enjoy using most:

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_

List your top 3 interests:

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_

List your top 3 most important work needs:

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_

Do your **interests** and **skills** seem consistent with one another? If not, what are the potential implications for the inconsistency?

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Do your **values** seem consistent with your interests and skills? If not, what are the potential implications for the inconsistency?

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Potential careers to explore:

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## LEARNING ABOUT SCIENCE CAREERS

There are many different career options for science trainees. As you consider your options, it may be helpful for you to gather information from people currently working in careers of interest to you. Visiting work sites and talking with people about their jobs is often the most effective way to find out more about different fields.

Below are some questions you may want to ask as you start to talk with friends, family, or colleagues, visit work sites, and/or discuss job opportunities with potential employers:

- What do you do in a “typical day?” Is there such a thing as a typical day?
- Where is most of your work performed? (i.e., at a desk, with patients, on the road, in other people’s offices)
- What kinds of skills are important to have in your job?
- What kind of technical skills do you have? Do you work with specialized equipment?
- What are some of the things you like about your job?
- What are some of the frustrations in your job?
- Do you do your work mostly by yourself or with other people? Do you supervise other people?
- To whom do you usually report?
- Are there opportunities for advancement?
- What is the employment outlook in your field?
- Are there other people you would suggest I talk to about careers in your field?
- What kind of advice would you give people considering this field?



## BIBLIOGRAPHY

### Self-Assessment

- Bolles, R. N. (2002). *What Color is your Parachute? A Practical Manual for Job-Hunters and Career-Changers*. Berkeley, Calif.: Ten Speed Press.
- Borchard, D., Bonner, C., & Musich, S. (2002). *Your Career Planner, 8<sup>th</sup> ed.* Dubuque, IA: Kendall/Hunt Publishing Company.
- Fiske, P. S. (2001). *Put Your Science to Work: The Take-Charge Career Guide for Scientists*. Washington, D.C.: American Geophysical Union.
- Sher, B. (1994). *I Could Do Anything If I Only Knew What It Was*. New York: Dell Publishing.

### Career Exploration

- Newhouse, M. *Outside the Ivory Tower: A Guide for Academics Considering Alternative Careers*, An informative and intelligent guide, written especially for graduate students and recent Ph.D.s who want to explore alternatives to a traditional academic career and to actively seek nonacademic jobs. The book focuses on the *process* of career exploration itself, from self-assessment and skills identification to job searching, interviewing, and negotiating offers.
- Basalla, S., & Debelius, M. "So What Are You Going to Do With That?": *A Guide to Career Changing for M.A.s and Ph.D.s*. A comprehensive, practical, and "emancipatory" guide to finding your way in the post-academic world.
- Robbins-Roth, C. ed. (1998). *Alternative Careers in Science. Leaving the Ivory Tower*. San Diego, Calif.: Academic Press.
- Kreeger, K. Y. (1999). *Guide to Nontraditional Careers in Science*. London: Taylor & Francis Group.
- ScienceCareers.org. [On-line]. Available: <http://sciencecareers.sciencemag.org/>  
Articles on a wide range of science-related career paths.
- Careers for...* published by VGM (series of books for different personality types, such as *Careers for Extroverts and Other Gregarious Types*, and many more)
- Opportunities in...* published by VGM (series on different sectors, including *Opportunities in Biotechnology Careers, Opportunities in Museum Careers, Opportunities in Overseas Careers*, and many more)
- The Chronicle of Higher Education. Career Network Advice Columns. [On-line]. Available: <http://chronicle.com/jobs/archive/advicearch.htm>

### Networking

- Ferrazzi, K. & Raz, T. (2005), *Never Eat Alone: And Other Secrets to Success, One Relationship at a Time*, Crown Business Press
- Baber, A. & Waymond, L. (2007), *Make your Contacts Count: Networking Know-how for Business And Career Success*. NYC, NY, Amacon Press
- Fisher, D. & Vilas, S. (2000), *Power Networking*. Bard Press
- The Riley Guide, <http://www.rileyguide.com/>

Materials compiled by Dr. Sharon L. Milgram, NIH Office of Intramural Training & Education.  
Adapted from Sinche 2009, OITE Career Workshop, the Career Service Website at the University of Illinois at Urbana-Champaign, *Your Career Planner, 8<sup>th</sup> ed.*, Borchard, D., Bonner, C., & Musich, S. (2002), and *Outside the Ivory Tower: A Guide for Academics Considering Alternative Careers*, Margaret Newhouse 2003